

Natural Gas Monthly

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Natural Gas Publications and Databases Available Electronically

All of the natural gas publications are available electronically on the EIA website. Certain natural gas data are also provided in database formats on the web site. The table below is a guide to the major natural gas products.

Product	Format	Contents
Publications		
<i>Weekly Natural Gas Storage Report</i>	HTML	Weekly natural gas stocks and implied net changes by three regions and U.S. total
<i>Natural Gas Weekly Update</i>	HTML	Analysis of current price, supply and storage data
<i>Natural Gas Monthly</i>	PDF	Monthly supply, disposition, and price data
<i>Natural Gas Annual</i>	PDF	Annual supply, disposition, and price data
<i>Historical Natural Gas Annual</i>	PDF	Historical annual supply, disposition, and price data from 1930 - 2000
<i>U.S. Crude Oil, Natural Gas and Natural Gas Liquids Reserves</i>	PDF	Proved reserves in the United States
<i>Oil and Gas Field Code Master List</i>	PDF	Listing of U.S. oil and gas field names
<u>Databases</u>		
Monthly Data	TXT	Tables 1-6, and 9 from the <i>Natural Gas Monthly</i>
Historical Monthly Data	EXE	Consumption and price data, 1984-1994; 1995-present
Annual Data	TXT	Tables from the <i>Natural Gas Annual</i>
Historical Annual Data	TXT	Tables from the <i>Historical Natural Gas Annual</i>
<u>Applications</u>		
EIA-176 Query System	EXE	Company filings of the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"

PDF files are image files that can be viewed through Adobe Acrobat.

TXT files are ASCII text. They may be replications of published tables, including table titles, column and row identification, or they may be flat files with a minimum of content description suitable for input to spreadsheets or other programs.

EXE files are executables that can be downloaded then opened. Databases are distributed as self-executing Zipped archives which spawn numerous data files and documentation. Applications are distributed as self-executing Zipped archives which initially generate numerous files and then form an application which is installed on the user's PC.

Preface

The *Natural Gas Monthly (NGM)* is prepared in the Natural Gas Division, Office of Oil and Gas, Energy Information Administration (EIA), U.S. Department of Energy (DOE), under the direction of Elizabeth Campbell.

General questions and comments regarding the *NGM* may be referred to Roy Kass (202) 586-4790. Specific technical questions may be referred to the appropriate persons listed in Appendix D.

The *NGM* highlights activities, events, and analyses of interest to public and private sector organizations associated with the natural gas industry. Volume and price data are presented each month for natural gas production, distribution, consumption, and interstate pipeline activities. Producer-related activities and underground storage data are also reported. From time to time, the *NGM* features articles designed to assist readers in using and interpreting natural gas information.

The data in this publication are collected on surveys conducted by the EIA to fulfill its responsibilities for gathering and reporting energy data. Some of the data are collected under the authority of the Federal Energy Regulatory Commission (FERC), an independent commission within the DOE, which has jurisdiction primarily in the regulation of electric utilities and the interstate natural gas industry. Geographic coverage is the 50 States and the District of Columbia.

Explanatory Notes supplement the information found in tables of the report. A description of the data collection surveys that support the *NGM* is provided in the Data Sources section. A glossary of the terms used in this report is also provided to assist readers in understanding the data presented in this publication.

All natural gas volumes are reported at a pressure base of 14.73 pounds per square inch absolute (psia) and at 60 degrees Fahrenheit. Cubic feet are converted to cubic meters by applying a factor of 0.02831685.

Common Abbreviations Used in the Natural Gas Monthly

AGA	American Gas Association	Mcf	Thousand cubic feet
Bcf	Billion cubic feet	MMBtu	Million British thermal units
Btu	British thermal unit	MMcf	Million cubic feet
DOE	U.S. Department of Energy	MMS	Minerals Management Service, U.S. Department of the Interior
EIA	Energy Information Administration, U.S. Department of Energy	OCS	Outer Continental Shelf
FERC	Federal Energy Regulatory Commission	STIFS	Short-Term Integrated Forecasting System
IOGCC	Interstate Oil and Gas Compact Commission	STEO	Short-Term Energy Outlook
LNG	Liquefied natural gas	Tcf	Trillion cubic feet

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Highlights

This issue of the *Natural Gas Monthly* (NGM) contains estimates of natural gas data through January 2003 for many data series at the national level. National-level natural gas prices are available through December 2002 (electric utilities), or January (residential, commercial, industrial, and wellhead). State-level data generally are available through January 2003, although underground storage data are available through February 2003.

Recent analyses of the natural gas industry are available on the Energy Information Administration (EIA) web site, www.eia.doe.gov, under "Featured Topics" to the right side of the home page. The first two reports listed below are updated regularly. These reports are:

- Weekly Natural Gas Storage Report — a weekly report containing estimates of natural gas in underground storage for the United States and three regions of the United States released each Thursday at 10:30 a.m. at the EIA Web site, except for certain weeks with Federal holidays. The report, first released on May 9, 2002, contains estimates of storage for the current and prior week and comparisons to previous periods. Links are provided to papers describing survey Form EIA-912, "Weekly Underground Natural Gas Survey," and the estimation methodology.
- Natural Gas Weekly Update - a current analysis of the industry each week, including information on natural gas spot and futures prices and storage activities. This page also provides links to numerous other EIA sites dealing with natural gas.
- Short-Term Energy Outlook - projections of energy consumption, supply, and price by type of fuel, including natural gas, for the next 18 months.

Other natural gas data and analyses may be found through the "Natural Gas" section of EIA's web site. In the center section of the home page, the user should place the cursor on "By Fuel," then click on "Natural Gas" in the drop-down menu.

Changes in Data Series, Tables, and Figures

The April 2003 issue of the *Natural Gas Monthly* (NGM) contains substantially changed data series and

data presentations in tables and figures. One source of change is the annual update of 2001 and earlier year data based on the more complete collection effort performed for the *Natural Gas Annual*. The annual updates are part of the current issue. However, the *Natural Gas Annual* 2001 introduced a number of changes to the concepts and sources of natural gas series for the period 1997-2001. The concept changes are being introduced to the NGM for different time periods depending on the availability and completeness of monthly source data or estimates. The changes in concepts and sources include:

Change to definitions and sources for the industrial and electric power sectors

To address changes in the Nation's electric power sector, EIA has recently made changes in its industry accounting classifications and data sources affecting how it collects, estimates, and reports fuel use for facilities producing electricity. The changes are discussed in Appendix D of the *Monthly Energy Review*. This issue introduces the changes to the NGM.

Two changes are key for the NGM. First is the introduction of a new consuming sector called the electric power sector that includes gas used by the electric utility sector and the gas used by a large portion of nonutility generators previously reported in the industrial sector. The electric power sector is defined as consisting of electricity-only and combined heat and power plants whose primary business is to sell electricity, or electricity and heat to the public - i.e., North American Industry Classification System 22 plants. Combined heat and power plants that identify themselves as primarily in the commercial or industrial sectors are reported in those sectors. One coincident effect of developing and defining the new consuming sector is to redefine the industrial sector, causing the volumes consumed in that sector to be smaller than previously presented.

Second is the change in the source of data on fuel used by components of the electric power sector. The NGM is now using data obtained from EIA's surveys of electric power generators (EIA-860B and

EIA-906) as the measure of gas used by all electricity generators, not just electric utilities. In the past the *NGM* used data reported by pipelines and local distribution companies about gas delivered to customers the respondents identified as nonutility generators. The effect of the new data sources is to increase total natural gas consumption for 2001 and 2002 by approximately 6 and 11 percent respectively, compared to estimates with the old accounting system and data sources.

Prices of gas consuming sectors are also affected by the new definitions and data sources. EIA has recalculated industrial sector prices in the months of 2001 and 2002 for this issue of the *NGM* by omitting revenue and volume data submitted on the gas surveys for nonutility generators. The recalculations resulted in very little change in price estimates for most States. The *NGM* will also replace the current data series on prices paid for gas consumed by electric utilities with a data series on prices paid by electricity generators when this series is available. For the present the price series remains a measure of prices paid by electric utilities.

New source data for natural gas consumed as vehicle fuel

Small quantities of compressed natural gas and liquefied natural gas are consumed as vehicle fuel. EIA recently standardized its estimates of natural gas consumed by vehicles by adopting a single source for all publications and models. EIA adopted annual estimates prepared by the Office of Coal, Nuclear, Electric, and Alternate Fuels. For the *NGM* and other EIA publications, the annual estimates are converted to monthly estimates using average daily rates of consumption. In previous *NGM* issues, the annual estimate for vehicle fuel use was derived from the EIA-176, an annual survey of all natural gas suppliers. The change in data sources accounted for an increase of about 4 billion cubic feet for 2001 and comparable quantities in previous years. Previously the annual estimate was included in the commercial sector and vehicle fuel estimates were not included in monthly sector data series. In the new format vehicle fuel estimates will be presented annually and monthly.

Changes to tables and figures include:

Tables

Table 3. Natural Gas Consumption in the United States, 1997-2003

- Revised estimates of deliveries to the industrial sector (corresponding to the new definition);
- New estimates for the electric power sector to replace electric utility sector estimates; and
- Introduction of data on natural gas consumed as vehicle fuel.

Table 4. Selected National Average Natural Gas Prices, 1997-2003

- Revised estimates for U.S. industrial sector prices for 2001 and 2002

Table 5. U.S. Natural Gas Imports and Exports, 2001-2003

- New format presenting monthly and year-to-date imports and exports on one table;
- New subtotals for LNG imports and exports; and
- New detail on the countries of origin for LNG shipments.

Table 6. Summary of U.S. Natural Gas Imports and Exports, 1997-2001

- Revised format presenting annual imports and exports on one table
- New totals for LNG imports and exports
- New detail on the countries of origin for annual LNG shipments

Table 17. Natural Gas Deliveries to Industrial Sector Consumers, by State, 2001-2003

- Revised estimates for many States as a result of the new definition for the sector and annual adjustment of sample data.

Table 18. Natural Gas Deliveries to Electric Power Consumers, by State, 2001-2003

- New estimates for the electric power sector using new data sources.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 2001-2003

- Because data for onsystem sales to the industrial sector were revised as a result of the new definition of that sector, the estimates for industrial sector price coverage are revised.

Figures

Figure 1. Production, Consumption, and Net Imports of Natural Gas in the United States, 2001-2003

- Net imports have been added to Figure 1.

Figure 2. Natural Gas Deliveries to Consumers in the United States, 2001-2003

- Data for the electric power sector are presented instead of data for the electric utility sector and data for the industrial sector have been revised according to the revised definition of the sector.

Table 1. Summary of Natural Gas Production in the United States, 1997-2003
(Billion Cubic Feet)

Year and Month	Gross Withdrawals	Repressuring	Nonhydrocarbon Gases Removed ^a	Vented and Flared	Marketed Production (Wet)	Extraction Loss ^b	Dry Gas Production ^c
1997 Total	24,213	3,492	599	256	19,866	964	18,902
1998 Total	24,108	3,427	617	103	19,961	938	19,024
1999 Total	23,823	3,293	615	110	19,805	973	18,832
2000 Total	24,174	^R 3,380	^R 505	^R 91	^R 20,198	^R 1,016	^R 19,182
2001							
January	^R 2,101	^R 289	^R 39	7	^R 1,766	^R 82	^R 1,685
February	^R 1,912	^R 277	^R 38	^R 8	^R 1,588	^R 73	^R 1,515
March	^R 2,139	^R 294	^R 42	7	^R 1,797	^R 83	^R 1,714
April	^R 2,023	^R 271	^R 39	^R 8	^R 1,705	^R 79	^R 1,626
May	^R 2,061	^R 253	^R 39	7	^R 1,762	^R 81	^R 1,681
June	^R 2,003	^R 258	^R 35	^R 6	^R 1,703	^R 79	^R 1,624
July	^R 2,035	^R 253	^R 42	^R 9	^R 1,730	^R 80	^R 1,650
August	^R 2,053	^R 264	^R 41	^R 7	^R 1,742	^R 81	^R 1,661
September	^R 1,992	^R 267	^R 38	7	^R 1,679	^R 78	^R 1,602
October	^R 2,088	^R 288	^R 36	^R 7	^R 1,755	^R 81	^R 1,674
November	^R 2,004	^R 285	^R 35	^R 7	^R 1,676	^R 78	^R 1,599
December	^R 2,067	^R 297	^R 39	^R 6	^R 1,725	^R 80	^R 1,645
Total	^R 24,476	^R 3,296	^R 464	86	^R 20,630	^R 954	^R 19,676
2002							
January	^{RE} 2,066	^E 325	^E 35	^E 7	^{RE} 1,698	^{RE} 78	^{RE} 1,620
February	^{RE} 1,857	^E 306	^E 28	^E 6	^{RE} 1,517	^{RE} 70	^E 1,447
March	^{RE} 2,077	^E 335	^E 31	^E 7	^{RE} 1,704	^{RE} 79	^{RE} 1,625
April	^{RE} 1,985	^E 314	^E 30	^E 7	^{RE} 1,634	^{RE} 75	^E 1,558
May	^{RE} 2,063	^E 318	^{RE} 32	^E 7	^{RE} 1,706	^{RE} 79	^E 1,628
June	^{RE} 2,002	^E 302	^E 31	^E 7	^{RE} 1,663	^{RE} 77	^{RE} 1,586
July	^{RE} 2,040	^E 280	^E 32	^E 7	^{RE} 1,720	^{RE} 79	^{RE} 1,641
August	^{RE} 2,039	^E 298	^E 31	^E 7	^{RE} 1,702	^{RE} 79	^{RE} 1,624
September	^{RE} 1,901	^E 278	^E 30	^E 7	^{RE} 1,586	^{RE} 73	^E 1,513
October	^{RE} 1,985	^E 317	^E 32	^E 7	^{RE} 1,629	^{RE} 75	^{RE} 1,554
November	^{RE} 2,010	^{RE} 285	^{RE} 32	^E 7	^{RE} 1,685	^{RE} 78	^{RE} 1,608
December	^{RE} 2,104	^{RE} 340	^E 33	^E 7	^{RE} 1,724	^{RE} 80	^{RE} 1,644
Total	^{RE} 24,130	^{RE} 3,699	^{RE} 378	E84	^{RE} 19,969	^{RE} 922	^{RE} 19,047
2003							
January	^E 2,087	^E 318	^E 33	^E 7	^E 1,729	^E 80	^E 1,649

^a See Appendix A, Explanatory Note 2, for a discussion of data on Nonhydrocarbon Gases Removed.

^b Extraction loss is collected only on an annual basis. Monthly extraction loss is estimated from monthly marketed production by assuming that the preceding annual percentage remains constant for the next twelve months.

^c Equal to marketed production (wet) minus extraction loss.

^R Revised Data.

^E Estimated Data.

^{RE} Revised Estimated Data.

Notes: Data for 1997 through 2001 are final. All other data are preliminary

unless otherwise indicated and contain estimates for selected States (see Table 7). Geographic coverage is the 50 States and the District of Columbia. Totals may not equal sum of components because of independent rounding.

Sources: 1997-2001: Energy Information Administration (EIA), *Natural Gas Annual 2001*. January 2002 through current month: Form EIA-895, "Monthly Quantity and Value of Natural Gas Report," and EIA estimates. See Appendix A, Explanatory Notes 1, 2, and 3, for discussion of computation and estimation procedures and revision policies.

Table 2. Supply and Disposition of Dry Natural Gas in the United States, 1997-2003
(Billion Cubic Feet)

Year and Month	Dry Gas Production	Supplemental Gaseous Fuels ^a	Net Imports	Net Storage Withdrawals ^b	Balancing Item ^c	Consumption ^d
1997 Total	18,902	^R 103	2,837	24	^R 839	^R 22,737
1998 Total	19,024	^R 102	2,993	-530	^R 633	^R 22,245
1999 Total	18,832	^R 98	3,422	172	^R -113	^R 22,403
2000 Total	^R 19,182	^R 90	3,538	829	^R -271	^R 23,368
2001						
January	^R 1,685	^R 9	348	^R 508	^R 126	^R 2,676
February	^R 1,515	7	301	^R 348	^R 138	^R 2,310
March	^R 1,714	^R 8	326	^R 187	^R 14	^R 2,250
April	^R 1,626	6	295	^R -284	^R 163	^R 1,807
May	^R 1,681	^R 6	293	^R -488	^R 31	^R 1,524
June	^R 1,624	^R 6	293	^R -449	^R -29	^R 1,445
July	^R 1,650	7	333	^R -392	^R -1	^R 1,598
August	^R 1,661	6	324	^R -313	^R -10	^R 1,670
September	^R 1,602	^R 7	281	^R -379	^R -17	^R 1,494
October	^R 1,674	^R 7	292	^R -193	^R -129	^R 1,651
November	^R 1,599	^R 8	249	^R -74	^R -81	^R 1,701
December	^R 1,645	8	268	^R 361	^R -160	^R 2,122
Total	^R 19,676	^R 86	3,604	^R -1,165	^R 46	^R 22,247
2002						
January	^{RE} 1,620	^E 8	308	546	^R -35	^R 2,446
February	^E 1,447	^E 7	275	462	^R -8	^R 2,182
March	^{RE} 1,625	^E 8	294	320	^R -28	^R 2,218
April	^E 1,558	^E 6	275	-126	^R 120	^R 1,833
May	^E 1,628	^E 6	279	-323	^R -13	^R 1,577
June	^{RE} 1,586	^E 5	272	-339	^R 27	^R 1,552
July	^{RE} 1,641	^E 7	299	-239	^R 1	^R 1,709
August	^{RE} 1,624	^{RE} 6	309	-234	^R -37	^R 1,668
September	^E 1,513	^E 6	288	-292	^R -15	^R 1,500
October	^{RE} 1,554	^E 7	301	-84	^R -170	^R 1,607
November	^{RE} 1,608	^E 7	275	198	^R -235	^R 1,853
December	^{RE} 1,644	^E 8	314	558	^R -235	^R 2,290
Total	^{RE} 19,047	^E 80	3,491	447	^R -630	^R 22,435
2003						
January	^E 1,649	^E 8	^E 322	841	-211	2,610

^a Supplemental gaseous fuels data are collected only on an annual basis except for the Dakota Gasification Co. coal gasification facility which provides data each month. The ratio of annual supplemental fuels (excluding Dakota Gasification Co.) to the sum of dry gas production, net imports, and net withdrawals from storage is calculated. This ratio is applied to the monthly sum of these three elements. The Dakota Gasification Co. monthly value is added to the result to produce the monthly supplemental fuels estimate.

^b Monthly and annual data for 1997 through 2001 include underground storage and liquefied natural gas storage. Data for January 2002 forward include underground storage only. See Appendix A, Explanatory Note 6 for discussion of computation procedures.

^c Represents quantities lost and imbalances in data due to differences among data sources. Annual balancing item for 1997-2001 includes net intransit deliveries through the United States for natural gas not contained in the monthly net imports figures. These intransit deliveries were (in billion cubic feet): -36 for 2001; -65 for 2000; -8 for 1999; 22 for 1998; 31 for 1997.

See Appendix A, Explanatory Note 8, for full discussion.

^d Consists of pipeline fuel use, lease and plant fuel use, vehicle fuel, and deliveries to consuming sectors as shown in Table 3.

^R Revised Data.

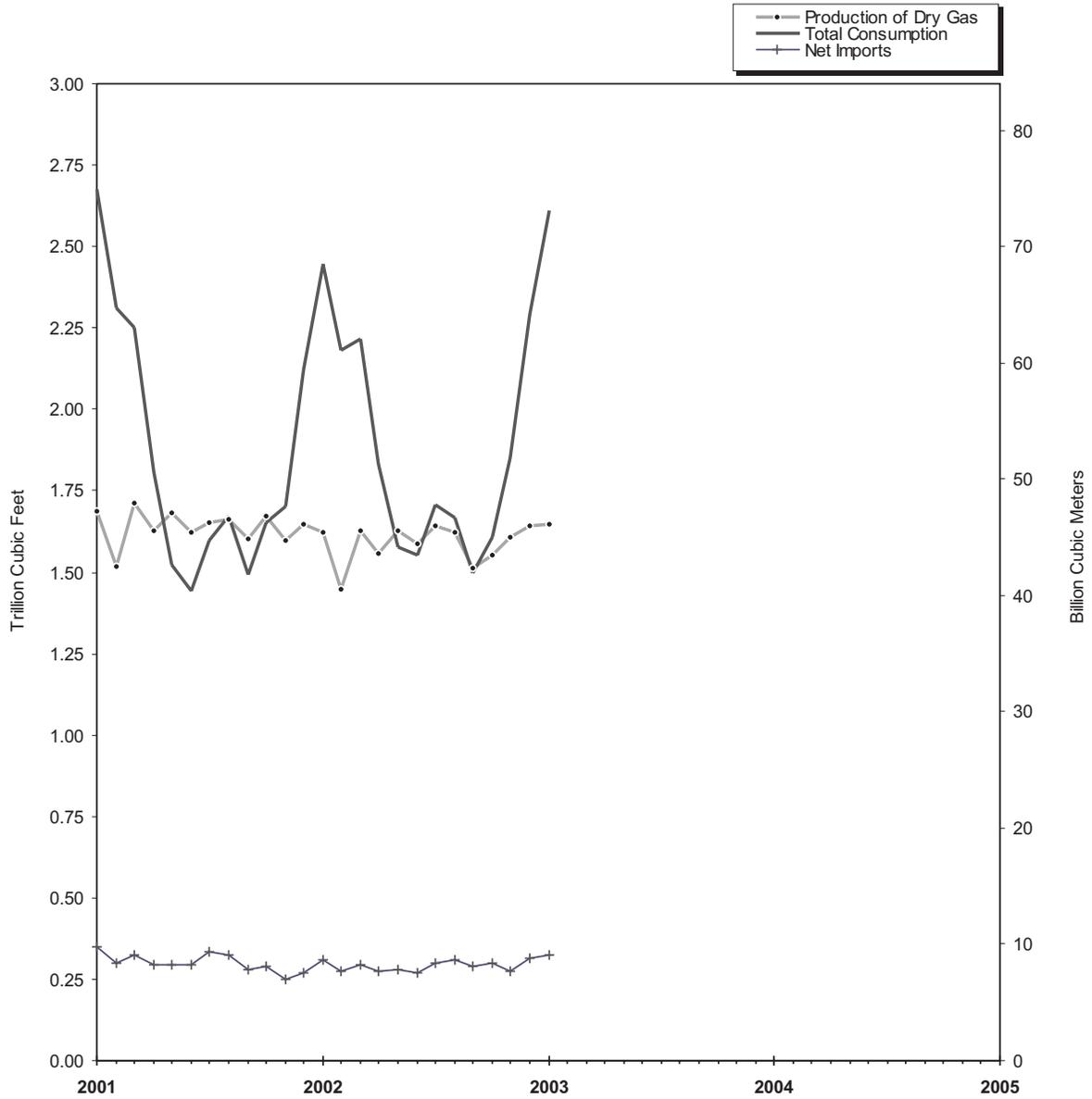
^E Estimated Data.

^{RE} Revised Estimated Data.

Notes: Data for 1997 through 2001 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. Totals may not equal sum of components because of independent rounding.

Sources: 1997-2001: Energy Information Administration (EIA), *Natural Gas Annual 2001*. January 2002 through current month: EIA, Form EIA-895, Form EIA-857, Form EIA-191, EIA computations and estimates, and Office of Fossil Energy, "Natural Gas Imports and Exports." See Appendix A, Notes 4 and 5, for discussion of computation and estimation procedures and revision policies.

Figure 1. Production, Consumption and Net Imports of Natural Gas in the United States, 2001-2003



Source: Table 2.

Table 3. Natural Gas Consumption in the United States, 1997-2003
(Billion Cubic Feet)

Year and Month	Lease and Plant Fuel ^a	Pipeline Fuel ^b	Delivered to Consumers					Total Consumption	
			Residential	Commercial	Industrial	Electric Power	Vehicle Fuel		Total
1997 Total	1,203	751	4,984	^R 3,215	8,511	4,065	8	^R 20,783	^R 22,737
1998 Total	1,173	635	4,520	^R 2,999	8,320	4,588	9	^R 20,438	^R 22,245
1999 Total	1,079	645	4,726	^R 3,045	8,079	4,820	12	^R 20,681	^R 22,403
2000 Total	^R 1,151	^R 642	^R 4,996	^R 3,218	8,142	5,206	13	^R 21,571	^R 23,368
2001									
January	^R 93	^R 76	^R 977	^R 503	684	340	1	^R 2,506	^R 2,676
February	^R 85	^R 66	^R 781	^R 425	640	313	1	^R 2,159	^R 2,310
March	^R 95	^R 64	^R 682	^R 378	667	363	1	^R 2,091	^R 2,250
April	^R 90	^R 51	^R 401	257	623	385	1	^R 1,666	^R 1,807
May	^R 92	^R 42	^R 209	^R 165	579	434	1	^R 1,389	^R 1,524
June	^R 89	^R 40	^R 147	^R 136	539	493	1	^R 1,316	^R 1,445
July	^R 91	^R 44	^R 124	^R 131	572	634	1	^R 1,463	^R 1,598
August	^R 92	^R 47	^R 117	^R 134	592	687	1	^R 1,532	^R 1,670
September	^R 89	^R 41	^R 128	^R 144	581	510	1	^R 1,364	^R 1,494
October	^R 93	^R 46	^R 239	^R 186	621	466	1	^R 1,513	^R 1,651
November	^R 89	^R 48	^R 361	^R 232	620	351	1	^R 1,564	^R 1,701
December	^R 92	^R 60	^R 610	347	645	367	1	^R 1,971	^R 2,122
Total	^R 1,089	^R 624	^R 4,776	^R 3,037	7,363	5,343	15	^R 20,534	^R 22,247
2002									
January	^{RE} 90	^R 69	821	433	656	377	1	^R 2,288	^R 2,446
February	^{RE} 80	^R 61	704	394	600	341	1	^R 2,041	^R 2,182
March	^{RE} 90	^R 62	666	375	624	400	1	^R 2,066	^R 2,218
April	^{RE} 86	^R 51	419	266	610	399	1	^R 1,696	^R 1,833
May	^{RE} 90	^R 44	259	193	580	410	1	^R 1,443	^R 1,577
June	^{RE} 88	^R 44	164	153	561	541	1	^R 1,421	^R 1,552
July	^{RE} 91	^R 48	128	137	579	725	1	^R 1,570	^R 1,709
August	^{RE} 90	^R 47	117	142	581	691	1	^R 1,532	^R 1,668
September	^{RE} 84	^R 42	125	146	547	555	1	^R 1,374	^R 1,500
October	^{RE} 86	^R 45	250	200	588	436	1	^R 1,476	^R 1,607
November	^{RE} 89	^R 52	489	301	585	337	1	^R 1,712	^R 1,853
December	^{RE} 91	^R 64	773	408	613	340	1	^R 2,135	^R 2,290
Total	^{RE} 1,053	^R 629	4,915	3,147	7,123	5,553	15	^R 20,753	^R 22,435
2003									
January	^E 91	73	946	484	647	367	1	2,445	2,610

^a Plant fuel data and lease fuel data are collected only annually. Monthly lease and plant fuel use is estimated from monthly marketed production by assuming that the preceding annual percentage remains constant for the next twelve months.

^b Pipeline fuel use is collected only on an annual basis. Monthly pipeline fuel data are estimated from monthly total consumption(excluding pipeline fuel) by assuming that the preceding annual percentage remains constant for the next twelve months.

^R Revised Data.

^E Estimated Data.

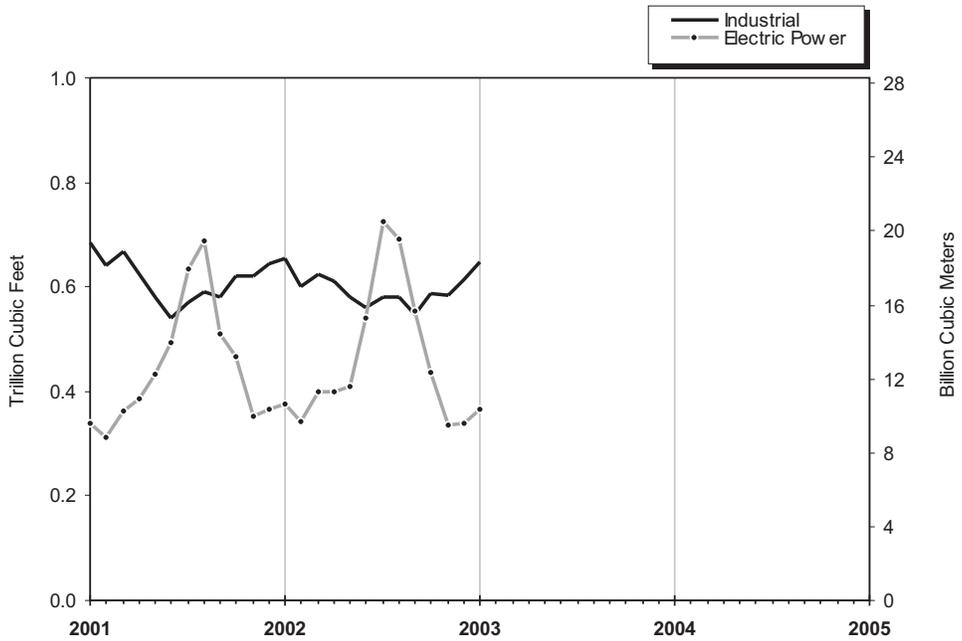
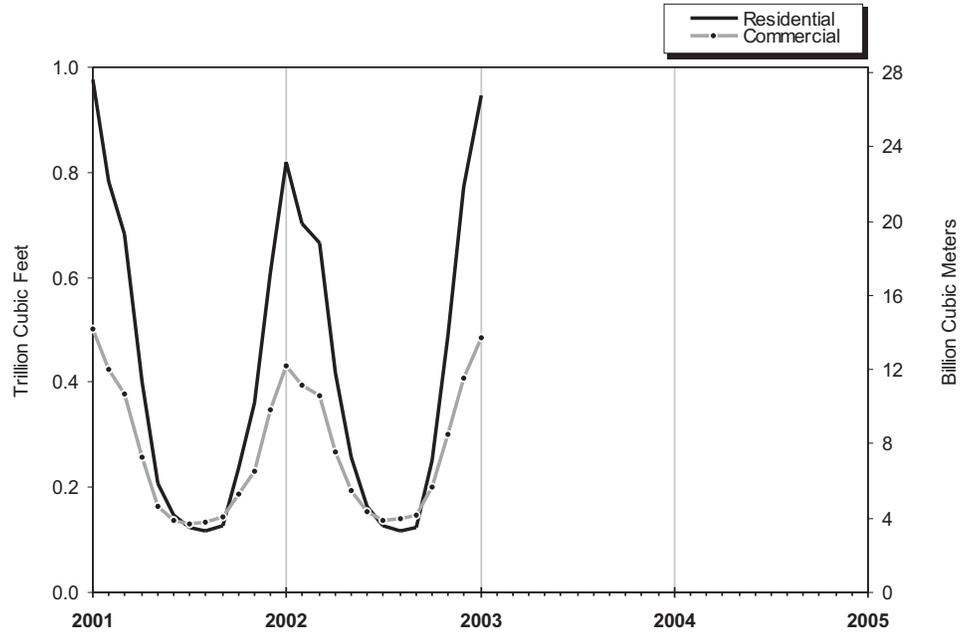
^{RE} Revised Estimated Data.

Notes: Data for 1997 through 2001 are final. All other data are

preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. Totals may not equal sum of components because of independent rounding. See Explanatory Note 7 for definition of sectors.

Sources: 1997-2001: Energy Information Administration (EIA): Form EIA-895, "Monthly Quantity and Value of Natural Gas Report," Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers," Form EIA-759, "Monthly Power Plant Report," Form EIA-906, "Power Plant Report," EIA computations, and *Natural Gas Annual 2001*. January 2002 through the current month: EIA: Form EIA-895, Form EIA-857, and Form EIA-906. See Appendix A, Explanatory Note 7, for computation procedures and revision policy.

Figure 2. Natural Gas Deliveries to Consumers in the United States, 2001-2003



Source: Table 3.

Table 4. Selected National Average Natural Gas Prices, 1997-2003

(Dollars per Thousand Cubic Feet)

Year and Month	Wellhead Price ^a	City Gate Price	Consumer Prices					
			Residential Price	Commercial		Industrial		Electric Utilities Price
				Price	% of Total ^b	Price	% of Total ^b	
1997 Annual Average	2.32	3.66	6.94	5.80	70.8	3.59	18.1	2.78
1998 Annual Average	1.96	3.07	6.82	5.48	67.0	3.14	16.1	2.40
1999 Annual Average	2.19	3.10	6.69	5.33	^R 66.1	3.12	18.7	2.62
2000 Annual Average	3.69	4.62	7.76	6.59	62.9	4.45	19.8	4.38
2001								
January	^R 6.82	^R 8.91	^R 10.12	^R 9.50	^R 72.7	8.77	22.1	9.49
February	^R 5.08	^R 7.08	^R 10.26	9.80	^R 71.6	7.24	21.7	7.18
March	^R 4.37	^R 6.10	^R 9.85	^R 9.13	^R 69.0	6.35	20.4	5.90
April	^R 4.52	^R 6.30	10.16	9.01	^R 66.3	6.16	19.5	5.82
May	^R 4.36	^R 5.77	^R 11.14	^R 9.19	^R 60.7	5.49	17.9	5.29
June	^R 3.80	^R 5.38	^R 11.59	^R 8.50	^R 59.3	4.80	17.6	4.37
July	^R 3.36	^R 4.03	^R 11.22	^R 7.90	^R 54.2	4.13	18.5	3.85
August	^R 3.34	^R 4.32	^R 10.89	^R 7.61	53.6	4.01	18.0	3.64
September	^R 2.94	3.66	^R 10.17	^R 6.96	^R 53.8	3.56	18.2	3.03
October	^R 2.81	^R 3.37	^R 8.24	^R 6.39	^R 59.9	3.23	18.7	2.78
November	^R 3.42	^R 4.02	^R 7.98	^R 6.79	^R 64.8	3.92	18.7	3.32
December	^R 3.44	^R 3.90	^R 7.30	^R 6.35	^R 67.9	3.75	19.4	3.14
Annual Average	^R4.02	^R5.72	^R9.64	^R8.43	^R65.8	5.28	19.3	4.61
2002								
January	^E 2.35	4.03	7.23	6.56	66.8	4.08	17.6	3.31
February	^E 2.14	3.73	7.19	6.51	65.6	3.73	18.1	3.05
March	^E 2.52	3.83	6.95	6.29	65.8	3.88	17.9	3.50
April	^E 3.02	4.16	7.55	6.62	61.4	3.67	23.5	3.90
May	^E 3.01	4.06	8.41	6.76	57.0	4.05	21.3	3.88
June	^E 2.94	4.14	9.42	6.86	53.9	3.86	22.8	3.67
July	^E 2.89	3.90	9.99	6.93	50.1	3.78	21.0	3.53
August	^E 2.77	3.61	10.28	6.87	48.9	3.64	19.5	3.47
September	^E 2.98	4.07	10.08	6.84	49.9	3.86	19.8	3.76
October	^E 3.35	4.28	8.45	6.68	56.8	4.13	19.2	4.26
November	^E 3.59	4.58	8.01	6.93	61.9	4.66	19.8	4.49
December	^E 3.84	4.29	7.78	7.12	66.0	4.81	21.1	4.85
Annual Average	^E2.95	4.07	7.79	6.70	61.3	4.01	20.1	3.77
2003								
January	^E 4.47	5.01	8.30	7.24	67.2	5.27	22.9	NA

^a See Appendix A, Explanatory Note 10, for discussion of wellhead prices.

^b Percentage of total deliveries represented by onsystem sales, see Figure 6. See Table 25 for State data.

^R Revised Data.

^E Estimated Data.

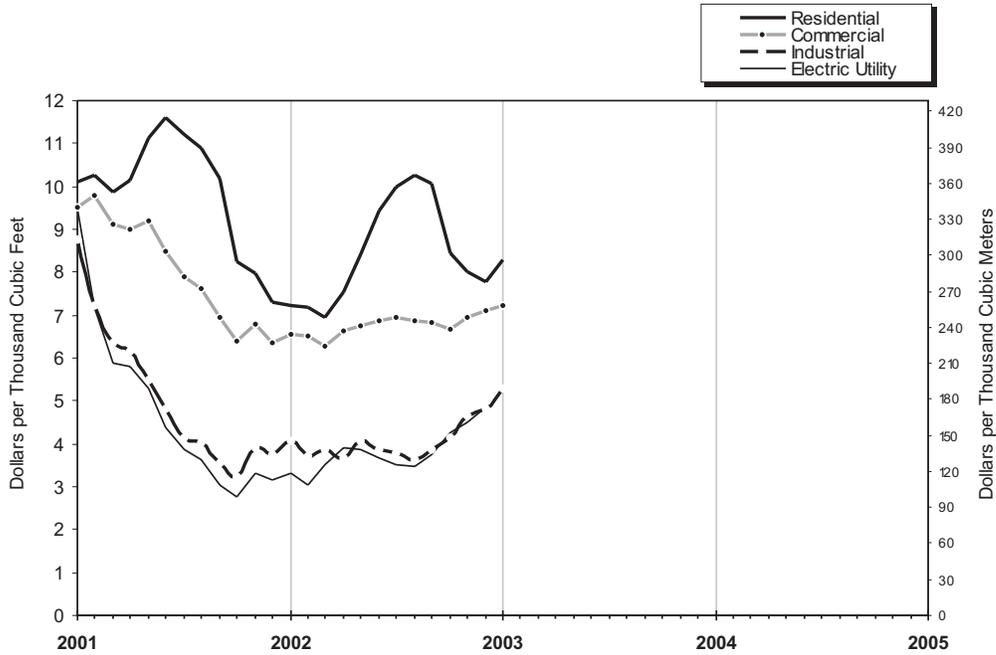
NA Not Available.

Notes: Data for 1997 through 2001 are final. All other data are

preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia.

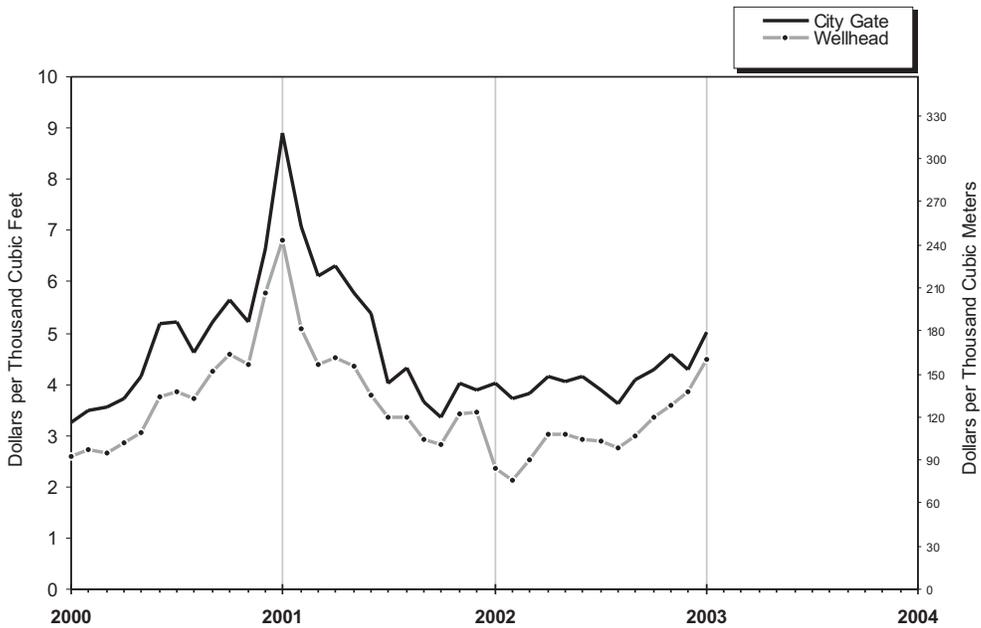
Sources: 1997-2001: Energy Information Administration (EIA) *Natural Gas Annual 2001*. January 2002 through current month: EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers," Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and EIA estimates.

Figure 3. Average Consumer Price of Natural Gas in the U.S., 2001-2003



Source: Table 4.

Figure 4. Average Price of Natural Gas in the United States, 2000-2003



Source: Table 4.

Table 5. U.S. Natural Gas Imports and Exports, 2001-2003

(Volumes in Million Cubic Feet, Prices in Dollars per Thousand Cubic Feet)

	YTD 2003	YTD 2002	YTD 2001	2003		2002
				February	January	Total
Imports						
Volume (million cubic feet)						
Pipeline						
Canada ^a	€628,966	630,848	657,508	€284,453	€344,512	3,777,032
Mexico	€1,017	1,755	3,555	€0	€1,017	1,755
Total Pipeline Imports	€629,983	632,602	661,063	€284,453	€345,530	3,778,786
LNG						
Algeria	0	2,726	12,678	0	0	26,584
Australia	0	0	0	0	0	0
Brunei	0	0	0	0	0	2,401
Indonesia	0	0	0	0	0	0
Malaysia	0	0	0	0	0	2,423
Nigeria	0	0	7,546	0	0	8,123
Oman	0	0	2,738	0	0	3,013
Qatar	0	0	0	0	0	35,081
Trinidad	42,307	12,889	17,342	21,011	21,296	151,104
United Arab Emirates	0	0	0	0	0	0
Total LNG Imports	€42,307	15,615	40,303	€21,011	€21,296	228,730
Total Imports	€672,290	648,217	701,366	€305,464	€366,825	4,007,516
Average Price (dollars per thousand cubic feet)						
Pipeline						
Canada	NA	2.51	8.17	NA	NA	3.13
Mexico	NA	2.36	7.17	-	NA	2.36
Total Pipeline Imports	NA	2.51	8.17	NA	NA	3.13
LNG						
Algeria	-	3.77	4.94	-	-	3.61
Australia	-	-	-	-	-	-
Brunei	-	-	-	-	-	2.82
Indonesia	-	-	-	-	-	-
Malaysia	-	-	-	-	-	3.43
Nigeria	-	-	7.75	-	-	3.21
Oman	-	-	8.70	-	-	3.34
Qatar	-	-	-	-	-	3.39
Trinidad	NA	3.29	6.17	NA	NA	3.43
United Arab Emirates	-	-	-	-	-	-
Total LNG Imports	NA	3.38	6.25	NA	NA	3.43
Total Imports	NA	2.53	8.06	NA	NA	3.15
Exports						
Volume (million cubic feet)						
Pipeline						
Canada	€50,131	32,095	26,934	€32,265	€17,865	189,313
Mexico	€46,226	23,331	16,121	€23,113	€23,113	263,078
Total Pipeline Exports	€96,357	55,427	43,055	€55,379	€40,979	452,391
LNG						
Japan	9,827	9,360	9,285	5,569	4,259	63,439
Mexico	NA	88	89	NA	NA	403
Total LNG Exports	€9,827	9,448	9,373	€5,569	€4,259	63,842
Total Exports	€106,184	64,875	52,428	€60,947	€45,237	516,233
Average Price dollars per thousand cubic feet)						
Pipeline						
Canada	NA	2.38	6.02	NA	NA	3.34
Mexico	NA	2.47	8.71	NA	NA	3.30
Total Pipeline Exports	NA	2.42	7.03	NA	NA	3.32
LNG						
Japan	NA	4.16	4.70	NA	NA	4.07
Mexico	NA	5.82	5.82	NA	NA	5.82
Total LNG Exports	NA	4.18	4.71	NA	NA	4.08
Total Exports	NA	2.68	6.62	NA	NA	3.41
Net Imports - Volume	566,105	583,342	648,938	€244,517	€321,588	3,491,283

See footnotes at end of table.

Table 5. U.S. Natural Gas Imports and Exports, 2001-2003

(Volumes in Million Cubic Feet, Prices in Dollars per Thousand Cubic Feet) — Continued

	2002					
	December	November	October	September	August	July
Imports						
Volume (million cubic feet)						
Pipeline						
Canada ^a	348,952	308,220	315,486	318,108	331,234	322,654
Mexico	0	0	0	0	0	0
Total Pipeline Imports	348,952	308,220	315,486	318,108	331,234	322,654
LNG						
Algeria	2,636	2,636	0	0	0	4,665
Australia	0	0	0	0	0	0
Brunei	0	0	0	0	0	0
Indonesia	0	0	0	0	0	0
Malaysia	0	0	0	0	0	0
Nigeria	0	0	5,403	0	2,720	0
Oman	0	0	0	0	3,013	0
Qatar	0	0	0	2,517	2,644	5,375
Trinidad	17,512	19,169	22,018	14,369	15,796	11,360
United Arab Emirates	0	0	0	0	0	0
Total LNG Imports	20,147	21,804	27,421	16,886	24,174	21,400
Total Imports	369,099	330,025	342,907	334,994	355,408	344,054
Average Price (dollars per thousand cubic feet)						
Pipeline						
Canada	4.19	4.06	3.58	3.05	2.67	2.81
Mexico	-	-	-	-	-	-
Total Pipeline Imports	4.19	4.06	3.58	3.05	2.67	2.81
LNG						
Algeria	4.20	4.07	-	-	-	3.41
Australia	-	-	-	-	-	-
Brunei	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-
Nigeria	-	-	3.01	-	3.61	-
Oman	-	-	-	-	3.34	-
Qatar	-	-	-	3.59	3.16	3.56
Trinidad	4.42	3.85	3.52	3.30	3.06	3.22
United Arab Emirates	-	-	-	-	-	-
Total LNG Imports	4.39	3.88	3.42	3.34	3.17	3.35
Total Imports	4.20	4.05	3.57	3.06	2.70	2.84
Exports						
Volume (million cubic feet)						
Pipeline						
Canada	26,005	27,678	10,182	13,471	11,983	11,856
Mexico	23,113	21,264	26,314	27,482	28,922	27,570
Total Pipeline Exports	49,118	48,942	36,495	40,952	40,905	39,426
LNG						
Japan	5,660	5,609	5,571	5,583	5,583	5,588
Mexico	43	37	43	28	24	19
Total LNG Exports	5,703	5,647	5,614	5,611	5,607	5,607
Total Exports	54,821	54,589	42,109	46,563	46,511	45,032
Average Price dollars per thousand cubic feet)						
Pipeline						
Canada	4.33	4.33	3.78	3.23	2.59	3.18
Mexico	4.26	4.03	3.58	3.25	2.92	3.21
Total Pipeline Exports	4.30	4.20	3.64	3.24	2.82	3.20
LNG						
Japan	4.33	4.29	4.27	4.29	4.25	4.08
Mexico	5.82	5.82	5.82	5.82	5.82	5.82
Total LNG Exports	4.34	4.30	4.28	4.30	4.26	4.09
Total Exports	4.30	4.21	3.72	3.37	3.00	3.31
Net Imports - Volume	314,278	275,436	300,798	288,431	308,896	299,021

See footnotes at end of table.

Table 5. U.S. Natural Gas Imports and Exports, 2001-2003

(Volumes in Million Cubic Feet, Prices in Dollars per Thousand Cubic Feet) — Continued

	2002					
	June	May	April	March	February	January
Imports						
Volume (million cubic feet)						
Pipeline						
Canada ^a	291,606	290,759	297,315	321,851	297,023	333,825
Mexico	0	0	0	0	798	956
Total Pipeline Imports	291,606	290,759	297,315	321,851	297,821	334,781
LNG						
Algeria	4,665	7,344	1,912	0	0	2,726
Australia	0	0	0	0	0	0
Brunei	0	2,401	0	0	0	0
Indonesia	0	0	0	0	0	0
Malaysia	0	2,423	0	0	0	0
Nigeria	0	0	0	0	0	0
Oman	0	0	0	0	0	0
Qatar	13,903	5,612	5,030	0	0	0
Trinidad	7,256	10,312	10,271	10,151	7,571	5,318
United Arab Emirates	0	0	0	0	0	0
Total LNG Imports	25,824	28,092	17,213	10,151	7,571	8,043
Total Imports	317,431	318,851	314,528	332,003	305,392	342,825
Average Price (dollars per thousand cubic feet)						
Pipeline						
Canada	3.06	3.24	3.28	2.61	2.29	2.70
Mexico	-	-	-	-	2.09	2.58
Total Pipeline Imports	3.06	3.24	3.28	2.61	2.29	2.70
LNG						
Algeria	3.60	3.43	3.18	-	-	3.77
Australia	-	-	-	-	-	-
Brunei	-	2.82	-	-	-	-
Indonesia	-	-	-	-	-	-
Malaysia	-	3.43	-	-	-	-
Nigeria	-	-	-	-	-	-
Oman	-	-	-	-	-	-
Qatar	3.43	3.45	3.03	-	-	-
Trinidad	3.18	3.23	3.09	2.68	3.00	3.71
United Arab Emirates	-	-	-	-	-	-
Total LNG Imports	3.39	3.31	3.08	2.68	3.00	3.73
Total Imports	3.09	3.25	3.27	2.61	2.31	2.72
Exports						
Volume (million cubic feet)						
Pipeline						
Canada	14,379	14,777	12,619	14,270	15,822	16,274
Mexico	24,948	22,799	19,122	18,213	10,770	12,562
Total Pipeline Exports	39,327	37,576	31,740	32,483	26,591	28,835
LNG						
Japan	5,586	1,853	7,427	5,619	3,755	5,605
Mexico	25	30	26	39	37	51
Total LNG Exports	5,612	1,882	7,454	5,658	3,792	5,656
Total Exports	44,939	39,459	39,194	38,141	30,383	34,491
Average Price dollars per thousand cubic feet)						
Pipeline						
Canada	3.26	3.33	3.38	2.43	2.15	2.61
Mexico	3.14	3.27	3.52	2.70	2.25	2.66
Total Pipeline Exports	3.18	3.29	3.46	2.58	2.19	2.63
LNG						
Japan	3.84	3.76	3.67	3.73	4.02	4.26
Mexico	5.82	5.82	5.82	5.82	5.82	5.82
Total LNG Exports	3.85	3.79	3.68	3.74	4.04	4.27
Total Exports	3.27	3.32	3.50	2.75	2.42	2.90
Net Imports - Volume	272,492	279,392	275,334	293,862	275,009	308,333

See footnotes at end of table.

Table 5. U.S. Natural Gas Imports and Exports, 2001-2003

(Volumes in Million Cubic Feet, Prices in Dollars per Thousand Cubic Feet) — Continued

	2001					
	Total	December	November	October	September	August
Imports						
Volume (million cubic feet)						
Pipeline						
Canada ^a	3,728,537	293,640	283,035	314,389	293,037	334,220
Mexico	10,276	2,821	160	0	0	0
Total Pipeline Imports	3,738,814	296,461	283,195	314,389	293,037	334,220
LNG						
Algeria	64,945	5,237	2,510	2,491	5,087	5,058
Australia	2,394	0	0	0	0	1,207
Brunei	0	0	0	0	0	0
Indonesia	0	0	0	0	0	0
Malaysia	0	0	0	0	0	0
Nigeria	37,966	0	0	0	4,955	2,606
Oman	12,055	0	0	0	1,635	2,728
Qatar	22,758	0	0	0	4,919	0
Trinidad	98,009	7,975	5,340	9,234	5,230	7,519
United Arab Emirates	0	0	0	0	0	0
Total LNG Imports	238,126	13,212	7,850	11,725	21,827	19,118
Total Imports	3,976,939	309,673	291,044	326,114	314,864	353,338
Average Price (dollars per thousand cubic feet)						
Pipeline						
Canada	4.43	2.68	2.95	2.13	2.58	3.11
Mexico	5.00	2.44	2.04	-	-	-
Total Pipeline Imports	4.44	2.67	2.95	2.13	2.58	3.11
LNG						
Algeria	3.73	2.68	2.25	2.48	2.75	2.74
Australia	3.86	-	-	-	-	3.92
Brunei	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-
Nigeria	5.56	-	-	-	3.30	2.99
Oman	5.56	-	-	-	4.65	4.99
Qatar	4.37	-	-	-	3.24	-
Trinidad	4.14	3.12	3.19	2.18	3.67	3.60
United Arab Emirates	-	-	-	-	-	-
Total LNG Imports	4.35	2.95	2.89	2.24	3.35	3.51
Total Imports	4.43	2.68	2.95	2.14	2.63	3.14
Exports						
Volume (million cubic feet)						
Pipeline						
Canada	166,690	25,165	20,659	10,907	10,030	7,567
Mexico	140,370	10,751	15,489	15,920	17,776	15,682
Total Pipeline Exports	307,060	35,916	36,149	26,827	27,806	23,248
LNG						
Japan	65,753	5,602	5,644	7,576	5,676	5,684
Mexico	465	46	47	49	35	33
Total LNG Exports	66,218	5,648	5,692	7,625	5,711	5,717
Total Exports	373,278	41,564	41,840	34,452	33,517	28,965
Average Price dollars per thousand cubic feet)						
Pipeline						
Canada	3.97	2.51	3.09	2.22	2.46	3.19
Mexico	4.34	2.55	2.98	2.29	2.45	3.32
Total Pipeline Exports	4.14	2.52	3.04	2.26	2.45	3.28
LNG						
Japan	4.39	4.29	4.29	4.41	4.39	4.29
Mexico	5.82	5.82	5.82	5.82	5.82	5.82
Total LNG Exports	4.40	4.30	4.30	4.41	4.40	4.30
Total Exports	4.19	2.76	3.21	2.74	2.79	3.48
Net Imports - Volume	3,603,661	268,109	249,204	291,662	281,347	324,373

^a Beginning with data for January 2001, EIA is reducing the reported volume of gas imported by pipeline from Canada by the amount of natural gas liquids removed from the saturated natural gas carried by Alliance Pipeline. Alliance moves saturated natural gas from the border to a processing plant in Illinois. After the adjustment, volumes of imported natural gas on this pipeline are on the same physical basis as other reported volumes of pipeline imports.

^e Estimated Data.

^{NA} Not Available.

— Not Applicable.

Sources: Office of Fossil Energy, U.S. Department of Energy, "Natural Gas Imports and Exports," and EIA estimates of dry natural gas imports. Estimated pipeline data are taken from data from the National Energy Board of Canada plus EIA estimates. LNG data: Industry reports.

Table 6. Summary of U.S. Natural Gas Imports and Exports, 1997-2001

(Volumes in Million Cubic Feet, Prices in Dollars per Thousand Cubic Feet)

	1997	1998	1999	2000	2001
Imports					
Volume (million cubic feet)					
Pipeline					
Canada	2,899,152	3,052,073	3,367,545	3,543,966	^a 3,728,537
Mexico	17,243	14,532	54,530	11,601	10,276
Total Pipeline Imports	2,916,394	3,066,605	3,422,075	3,555,567	3,738,814
LNG					
Algeria	65,675	68,567	75,763	46,947	64,945
Australia	9,686	11,634	11,904	5,945	2,394
Brunei	0	0	0	0	0
Indonesia	0	0	0	2,760	0
Malaysia	0	0	2,576	0	0
Nigeria	0	0	0	12,654	37,966
Oman	0	0	0	9,998	12,055
Qatar	0	0	19,697	46,057	22,758
Trinidad	0	0	50,777	98,949	98,009
United Arab Emirates	2,417	5,252	2,713	2,725	0
Total LNG Imports	77,778	85,453	163,430	226,036	238,126
Total Imports	2,994,173	3,152,058	3,585,505	3,781,603	3,976,939
Average Price (dollars per thousand cubic feet)					
Pipeline					
Canada	2.15	1.95	2.23	3.97	4.43
Mexico	2.31	2.03	2.14	5.43	5.00
Total Pipeline Imports	2.15	1.95	2.23	3.98	4.44
LNG					
Algeria	2.67	2.51	2.41	3.48	3.73
Australia	2.92	3.30	2.70	3.25	3.86
Brunei	-	-	-	-	-
Indonesia	-	-	-	3.99	-
Malaysia	-	-	2.36	-	-
Nigeria	-	-	-	4.37	5.56
Oman	-	-	-	3.36	5.56
Qatar	-	-	2.71	3.44	4.37
Trinidad	-	-	2.39	3.43	4.14
United Arab Emirates	3.74	2.63	3.03	3.53	-
Total LNG Imports	2.74	2.63	2.47	3.50	4.35
Total Imports	2.17	1.97	2.24	3.95	4.43
Exports					
Volume (million cubic feet)					
Pipeline					
Canada	56,447	39,891	38,508	72,586	166,690
Mexico	38,372	53,133	61,025	105,102	140,370
Total Pipeline Exports	94,818	93,023	99,533	177,688	307,060
LNG					
Japan	62,187	65,951	63,607	65,610	65,753
Mexico	0	33	275	418	465
Total LNG Exports	62,187	65,984	63,882	66,028	66,218
Total Exports	157,006	159,007	163,415	243,716	373,278
Average Price dollars per thousand cubic feet)					
Pipeline					
Canada	2.52	2.25	2.35	3.66	3.97
Mexico	2.46	2.04	2.27	4.26	4.34
Total Pipeline Exports	2.49	2.13	2.30	4.01	4.14
LNG					
Japan	3.83	2.91	3.08	4.31	4.39
Mexico	-	5.69	6.95	5.82	5.82
Total LNG Exports	3.83	2.91	3.10	4.31	4.40
Total Exports	3.02	2.45	2.61	4.10	4.19
Net Imports - Volume	2,837,167	2,993,051	3,422,090	3,537,887	3,603,661

^a Beginning with data for January 2001, EIA is reducing the reported volume of gas imported by pipeline from Canada by the amount of natural gas liquids removed from the saturated natural gas carried by Alliance Pipeline. Alliance moves saturated natural gas from the border to a processing plant in Illinois. After the adjustment, volumes of imported natural gas on this pipeline are on

the same physical basis as other reported volumes of pipeline imports.

— Not Applicable.

Sources: Office of Fossil Energy, U.S. Department of Energy, "Natural Gas Imports and Exports," and EIA estimates of dry natural gas imports. LNG data: Industry reports.

Table 7. Marketed Production of Natural Gas, by State and Federal Gulf of Mexico, 1996-2002

(Million Cubic Feet)

Year and Month	Alabama	Alaska	Arizona	California	Colorado	Florida	Kansas
1996 Total	378,786	480,828	463	286,494	572,071	6,006	712,796
1997 Total	388,596	468,311	452	285,690	637,375	6,114	687,215
1998 Total	392,394	466,648	457	315,277	696,321	5,796	603,586
1999 Total	381,701	462,967	474	382,715	722,738	5,933	553,419
2000							
January	32,263	42,242	37	31,663	65,091	564	49,597
February	30,263	38,430	26	27,675	60,155	547	41,606
March	31,539	42,505	27	29,706	64,390	653	44,924
April	30,422	37,290	28	28,970	61,056	595	43,591
May	31,133	33,531	31	30,981	65,137	575	43,837
June	29,595	35,890	32	30,558	59,184	474	44,129
July	30,250	35,559	32	32,823	62,541	544	43,938
August	30,436	35,910	33	33,111	64,332	533	43,603
September	28,738	37,148	33	32,377	62,304	550	42,078
October	29,825	39,354	33	33,723	63,606	472	43,078
November	29,229	38,897	32	32,540	63,005	465	41,891
December	29,773	42,239	24	32,454	62,182	519	43,457
Total	363,467	458,995	368	376,580	752,985	6,491	525,729
2001							
January	30,460	^R 43,493	31	^R 31,909	^R 67,774	^R 498	^R 45,297
February	27,096	^R 39,459	28	^R 27,787	^R 60,001	^R 488	^R 38,003
March	29,918	^R 43,641	31	^R 30,312	^R 65,317	^R 587	^R 41,029
April	28,864	^R 38,225	32	^R 29,074	^R 60,134	^R 520	^R 39,827
May	29,742	^R 34,303	28	^R 31,230	^R 61,348	^R 513	^R 40,035
June	28,993	^R 36,875	25	^R 30,568	^R 59,612	^R 413	^R 40,304
July	30,616	^R 36,548	26	^R 32,970	^R 57,369	^R 471	^R 40,127
August	30,999	^R 36,804	24	^R 33,137	^R 54,463	^R 464	^R 39,822
September	^R 30,101	^R 38,041	22	^R 32,377	^R 53,484	^R 484	^R 38,427
October	30,194	^R 40,559	20	^R 33,725	^R 51,818	^R 386	^R 39,337
November	29,379	^R 40,007	15	^R 32,455	^R 52,383	^R 413	^R 38,254
December	30,446	^R 43,487	25	^R 32,281	^R 52,534	^R 472	^R 39,682
Total	^R356,810	^R471,440	307	^R377,824	^R696,237	^R5,710	^R480,145
2002							
January	^R 29,824	42,257	26	30,928	^{RE} 54,022	342	39,644
February	^R 27,219	38,966	23	28,337	^{RE} 50,723	256	35,325
March	^R 29,303	41,993	26	31,562	^{RE} 52,656	386	38,902
April	^R 28,624	40,086	23	29,413	^{RE} 49,867	291	38,190
May	^R 28,908	35,924	23	30,596	^{RE} 52,315	296	39,173
June	28,600	37,109	24	30,261	^{RE} 49,327	287	38,427
July	^R 29,707	36,269	29	30,268	^{RE} 50,100	266	38,173
August	^R 31,095	37,345	28	30,113	^{RE} 49,891	243	38,316
September	^R 30,166	34,764	28	29,438	^{RE} 48,500	251	35,797
October	^R 31,594	39,274	25	30,213	^{RE} 49,250	241	36,654
November	30,465	38,823	23	29,800	^{RE} 48,905	213	35,522
December	30,556	41,860	23	29,631	^E 49,828	271	36,679
Total	356,061	464,669	301	360,559	^E605,384	3,343	450,801

See footnotes at end of table.

Table 7. Marketed Production of Natural Gas, by State and Federal Gulf of Mexico, 1996-2002

(Million Cubic Feet) — Continued

Year and Month	Louisiana	Michigan	Mississippi	Montana	New Mexico	North Dakota	Oklahoma
1996 Total	1,628,129	245,740	103,263	50,996	1,554,087	49,674	1,734,887
1997 Total	1,505,014	305,950	107,300	52,437	1,558,633	52,401	1,703,888
1998 Total	1,551,979	278,076	108,068	57,645	1,501,098	53,185	1,669,367
1999 Total	1,566,916	277,364	111,021	61,163	1,511,671	52,862	1,594,002
2000							
January	120,674	22,586	8,241	6,003	^R 145,361	4,585	140,183
February	112,622	15,849	5,386	5,480	^R 137,548	4,116	125,741
March	123,427	33,893	7,350	6,016	^R 146,535	4,291	140,811
April	119,332	12,551	6,785	5,614	^R 136,934	4,278	132,697
May	123,084	26,709	7,527	5,809	^R 143,275	4,543	136,652
June	119,813	17,328	6,938	5,369	^R 138,153	4,322	136,693
July	121,950	30,404	7,347	5,888	^R 142,497	4,505	138,946
August	124,027	33,002	7,571	5,833	^R 140,758	4,320	139,930
September	120,736	24,743	7,227	5,723	^R 139,684	4,329	132,330
October	127,323	38,453	7,958	6,039	^R 143,249	4,490	145,745
November	119,610	25,882	7,693	5,741	^R 137,768	4,178	119,411
December	122,416	15,156	8,535	6,422	^R 143,534	4,469	123,749
Total	1,455,014	296,556	88,558	69,936	^R1,695,295	52,426	1,612,890
2001							
January	^R 124,371	^R 27,356	8,958	^R 6,988	^R 143,955	^R 4,517	^R 133,934
February	^R 115,943	^R 13,501	7,749	^R 6,379	^R 131,899	^R 4,014	^R 122,434
March	^R 137,930	^R 29,663	8,398	^R 6,996	^R 144,915	4,548	^R 138,604
April	^R 125,073	^R 20,073	9,892	^R 6,538	^R 140,422	^R 4,566	^R 136,210
May	^R 129,537	^R 35,940	10,332	^R 6,767	^R 143,332	^R 4,825	^R 145,606
June	^R 123,492	^R 17,781	8,440	^R 6,252	^R 134,107	^R 4,357	^R 135,712
July	^R 127,806	^R 19,992	9,313	^R 6,856	^R 143,117	4,649	^R 136,425
August	^R 127,732	^R 26,811	9,494	^R 6,785	^R 144,951	4,753	^R 138,939
September	^R 121,068	^R 14,352	8,341	^R 6,655	^R 138,332	^R 4,501	^R 133,915
October	^R 124,105	^R 29,330	9,074	^R 7,027	^R 142,921	^R 4,581	^R 137,551
November	^R 121,862	^R 24,137	8,353	^R 6,690	^R 138,713	^R 4,648	^R 121,359
December	^R 123,904	^R 16,099	9,196	^R 7,465	^R 142,462	^R 4,773	^R 134,696
Total	^R1,502,825	^R275,036	^R107,541	^R81,397	^R1,689,125	^R54,732	^R1,615,384
2002							
January	^E 130,293	34,593	9,510	7,569	137,980	4,763	^E 135,659
February	^E 117,759	13,357	8,688	6,715	124,271	4,263	^E 123,144
March	^E 131,632	31,113	9,016	7,131	137,618	4,712	^E 137,542
April	^E 127,233	17,564	8,706	6,993	129,207	4,617	^E 132,944
May	^E 131,815	29,128	9,321	6,969	133,492	4,910	^E 137,734
June	^E 127,281	17,707	9,065	6,641	^{RE} 128,333	4,628	^E 134,508
July	^E 130,232	34,483	9,067	6,746	134,156	4,766	^E 137,627
August	^E 130,449	13,999	9,443	6,697	^{RE} 134,938	4,865	^E 137,856
September	^E 125,736	18,812	10,110	7,033	^{RE} 130,590	5,270	^E 132,878
October	^E 130,200	29,817	10,172	7,192	128,319	4,852	^E 138,353
November	^E 126,707	16,082	9,464	7,154	^R 131,131	4,627	^E 134,640
December	^E 128,432	18,708	10,250	7,442	129,093	4,726	^E 140,267
Total	^E1,537,769	275,363	112,812	84,282	^E1,579,130	56,999	^E1,623,152

See footnotes at end of table.

Table 7. Marketed Production of Natural Gas, by State and Federal Gulf of Mexico, 1996-2002

(Million Cubic Feet) — Continued

Year and Month	Oregon	Texas	Utah	Wyoming	Other ^a States	Federal Gulf of Mexico	U.S. Total
1996 Total	1,439	5,132,208	250,767	666,036	805,491	5,152,081	19,812,241
1997 Total	1,173	5,167,334	257,139	738,368	736,679	5,206,023	19,866,093
1998 Total	1,067	5,227,477	277,340	903,836	775,235	5,076,496	19,961,348
1999 Total	1,291	5,054,486	262,614	971,230	800,579	5,029,704	19,804,848
2000							
January	124	441,087	22,008	92,837	^R 74,762	408,729	^R 1,708,636
February	105	409,145	20,526	84,714	^R 70,620	383,253	^R 1,573,807
March	107	444,901	21,916	90,043	^R 73,711	415,559	^R 1,722,304
April	99	430,126	21,255	87,761	^R 72,526	396,563	^R 1,628,474
May	102	447,264	22,525	90,699	^R 67,440	410,962	^R 1,691,817
June	94	438,456	21,638	87,579	^R 72,487	402,645	^R 1,651,376
July	90	447,259	22,772	90,281	^R 68,493	419,724	^R 1,705,843
August	96	449,937	22,864	90,812	^R 71,463	420,167	^R 1,718,738
September	97	433,533	22,664	89,472	^R 71,032	408,426	^R 1,663,224
October	109	448,493	23,374	95,215	^R 74,037	425,402	^R 1,749,979
November	97	438,879	22,943	91,715	^R 72,920	411,945	^R 1,664,842
December	93	453,023	24,801	97,201	^R 77,412	431,012	^R 1,718,470
Total	1,214	5,282,104	269,285	1,088,328	^R866,902	4,934,387	^R20,197,511
2001							
January	113	^R 453,761	24,309	^R 115,164	^R 74,256	429,097	^R 1,766,240
February	108	^R 405,927	22,368	^R 102,340	^R 69,441	393,225	^R 1,588,190
March	116	^R 452,870	24,876	^R 117,096	^R 75,503	444,720	^R 1,797,070
April	102	^R 437,448	24,381	^R 111,892	^R 68,266	423,729	^R 1,705,270
May	97	^R 454,780	24,261	^R 111,550	^R 70,562	427,550	^R 1,762,339
June	89	^R 447,818	23,502	^R 110,206	^R 70,260	424,375	^R 1,703,182
July	93	^R 451,766	22,972	^R 113,632	^R 68,704	427,025	^R 1,730,477
August	89	^R 456,137	22,826	^R 113,800	^R 71,233	422,735	^R 1,741,997
September	80	^R 443,384	22,649	^R 114,681	^R 69,916	408,368	^R 1,679,177
October	80	^R 463,530	23,854	^R 121,347	^R 75,235	420,719	^R 1,755,393
November	68	^R 440,679	^R 23,337	^R 116,972	^R 69,974	406,663	^R 1,676,363
December	76	^R 452,048	24,578	^R 115,198	^R 78,142	417,151	^R 1,724,715
Total	1,110	^R5,360,148	^R283,913	^R1,363,879	^R861,493	5,045,357	^R20,630,412
2002							
January	75	^E 442,832	24,544	117,851	^{RE} 79,940	^{RE} 375,638	^{RE} 1,698,291
February	69	^E 393,418	22,492	109,212	^{RE} 73,835	^{RE} 338,819	^{RE} 1,516,890
March	71	^E 442,965	24,655	118,039	^{RE} 78,423	^{RE} 386,080	^{RE} 1,703,826
April	74	^E 429,360	23,114	115,733	^{RE} 74,107	^E 377,724	^{RE} 1,633,870
May	73	^E 448,105	23,968	120,648	^{RE} 73,343	^E 399,564	^{RE} 1,706,306
June	73	^E 437,640	22,596	116,345	^{RE} 74,616	^E 399,273	^{RE} 1,662,741
July	93	^E 449,035	23,215	120,006	^{RE} 73,137	^E 412,913	^{RE} 1,720,288
August	68	^E 448,785	23,713	114,873	^{RE} 74,714	^{RE} 415,006	^{RE} 1,702,437
September	80	^E 423,542	22,197	117,216	^{RE} 74,451	^E 339,167	^{RE} 1,586,025
October	70	^E 450,709	23,940	^R 124,690	^{RE} 79,703	^E 313,546	^{RE} 1,628,816
November	65	^E 438,289	23,622	^R 128,412	^{RE} 76,485	^E 405,000	^{RE} 1,685,430
December	165	^E 447,127	24,092	133,648	^E 82,300	^E 408,871	^E 1,723,968
Total	978	^E5,251,807	282,147	1,436,673	^E915,055	^E4,571,601	^E19,968,887

^a Includes Arkansas, Illinois, Indiana, Kentucky, Maryland, Missouri, Nebraska, Nevada, New York, Ohio, Pennsylvania, South Dakota, Tennessee, Virginia, and West Virginia. The 2002 and later data monthly values for these States are estimated.

^R Revised Data.

^E Estimated Data.

^{RE} Revised Estimated Data.

Notes: Data for 1997 through 2001 are final. All other data are preliminary

unless otherwise indicated. Totals may not equal sum of components because of independent rounding. See Appendix A, Explanatory Notes 1 and 2 for discussion of computation procedures and revision policy.

Sources: 1997-2001: Energy Information Administration (EIA), *Natural Gas Annual 2001* and Minerals Management Service reports. January 2002 through current month: Form EIA-895, "Monthly Quantity and Value of Natural Gas Report," Minerals Management Service reports, and EIA computations.

Table 8. Gross Withdrawals and Marketed Production of Natural Gas, by State and Federal Gulf of Mexico, December 2002

(Million Cubic Feet)

State	Gross Withdrawals			Repressuring	Nonhydrocarbon Gases Removed ^a	Vented and Flared	Marketed Production
	From Gas Wells	From Oil Wells	Total				
Alabama	32,042	497	32,539	577	1,272	134	30,556
Alaska	17,366	309,730	327,096	284,709	0	526	41,860
Arizona	23	0	23	0	0	0	23
California	8,178	24,263	32,441	2,367	299	145	29,631
Colorado	[£] 43,340	[£] 7,055	[£] 50,395	[£] 504	0	[£] 63	[£] 49,828
Florida	0	[£] 307	307	0	35	0	271
Kansas	33,861	2,917	36,778	63	0	37	36,679
Louisiana	[£] 110,142	[£] 20,277	[£] 130,419	[£] 1,097	[£] 0	[£] 890	[£] 128,432
Michigan	15,226	3,806	19,032	134	0	190	18,708
Mississippi	12,368	474	12,842	510	1,784	298	10,250
Montana	7,470	0	7,470	0	0	27	7,442
New Mexico	114,067	16,690	130,757	1,508	0	155	129,093
North Dakota	1,215	3,734	4,950	0	10	214	4,726
Oklahoma	[£] 126,805	[£] 13,462	[£] 140,267	[£] 0	[£] 0	[£] 0	[£] 140,267
Oregon	165	0	165	0	0	0	165
Texas	[£] 402,097	[£] 97,296	[£] 499,392	[£] 38,877	[£] 11,317	[£] 2,072	[£] 447,127
Utah	22,469	2,479	24,947	10	0	845	24,092
Wyoming	145,496	16,623	162,119	9,986	17,270	1,216	133,648
Other States	[£] 80,288	[£] 2,868	[£] 83,156	0	[£] 647	[£] 209	[£] 82,300
Federal Gulf of Mexico	[£] 408,871	[£] 0	[£] 408,871	[£] 0	[£] 0	[£] 0	[£] 408,871
Total	[£]1,581,486	[£]522,479	[£]2,103,965	[£]340,341	[£]32,633	[£]7,023	[£]1,723,968

^a See Appendix A, Explanatory Note 2, for a discussion of data on Nonhydrocarbon Gases Removed.

[£] Estimated Data.

Notes: All monthly data are considered preliminary until publication of the *Natural Gas Annual* for that year. Totals may not equal sum of components

because of independent rounding. See Appendix A, Explanatory Notes 1 and 2 for discussion of computation procedures and revision policy.

Source: Form EIA-895, "Monthly Quantity and Value of Natural Gas Report" and EIA estimates.

Table 9. Underground Natural Gas Storage - All Operators, 1997-2003

(Volumes in Billion Cubic Feet)

Year and Month	Natural Gas in Underground Storage at End of Period			Change In Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total ^b	Volume	Percent	Injections	Withdrawals	Net Withdrawals ^c
1997 Total^a	—	—	—	—	—	2,800	2,824	24
1998 Total^a	—	—	—	—	—	2,905	2,379	-526
1999 Total^a	—	—	—	—	—	2,598	2,772	174
2000 Total^a	—	—	—	—	—	2,684	3,498	814
2001								
January	4,344	1,265	5,609	-495	-28.1	92	588	496
February	4,328	912	5,241	-391	-30.0	74	414	339
March	4,300	742	5,042	-412	-35.7	116	298	183
April	4,261	992	5,253	-210	-17.5	349	70	-279
May	4,309	1,440	5,749	7	0.5	520	41	-479
June	4,310	1,882	6,193	165	9.6	490	49	-441
July	4,315	2,261	6,576	258	12.9	451	66	-385
August	4,313	2,576	6,889	377	17.1	386	79	-307
September	4,318	2,944	7,262	450	18.0	413	41	-372
October	4,310	3,144	7,454	412	15.1	282	93	-190
November	4,301	3,254	7,555	812	33.2	210	138	-73
December	4,301	2,904	7,204	1,185	68.9	80	432	352
Total	—	—	—	—	—	3,464	2,309	-1,156
2002								
January	4,313	2,344	6,657	1,078	85.2	59	605	546
February	4,356	1,838	6,194	925	101.4	55	517	462
March	4,355	1,518	5,873	776	104.7	105	425	320
April	4,355	1,659	6,014	666	67.1	237	111	-126
May	4,361	1,968	6,329	528	36.7	381	58	-323
June	4,355	2,308	6,663	426	22.6	395	56	-339
July	4,358	2,539	6,896	278	12.3	341	101	-239
August	4,357	2,773	7,130	198	7.7	322	89	-234
September	4,342	3,042	7,384	97	3.3	364	72	-292
October	4,342	3,116	7,458	-28	-0.9	229	145	-84
November	4,344	2,929	7,273	-325	-10.0	124	322	198
December	4,340	2,375	6,715	-528	-18.2	66	624	558
Total	—	—	—	—	—	2,679	3,126	447
2003								
January	^R 4,342	1,534	^R 5,876	-810	-34.5	44	886	841
February	4,334	864	5,198	-974	-53.0	48	723	676

^a Total as of December 31.^b Total underground storage capacity at the end of each calendar year (in billion cubic feet): 1997 - 8,332; 1998 - 8,179; 1999 - 8,229; 2000 - 8,241; and 2001 - 8,415.^c Negative numbers indicate the volume of injections in excess of withdrawals. Positive numbers indicate the volume of withdrawals in excess of injections.^R Revised Data.

— Not Applicable.

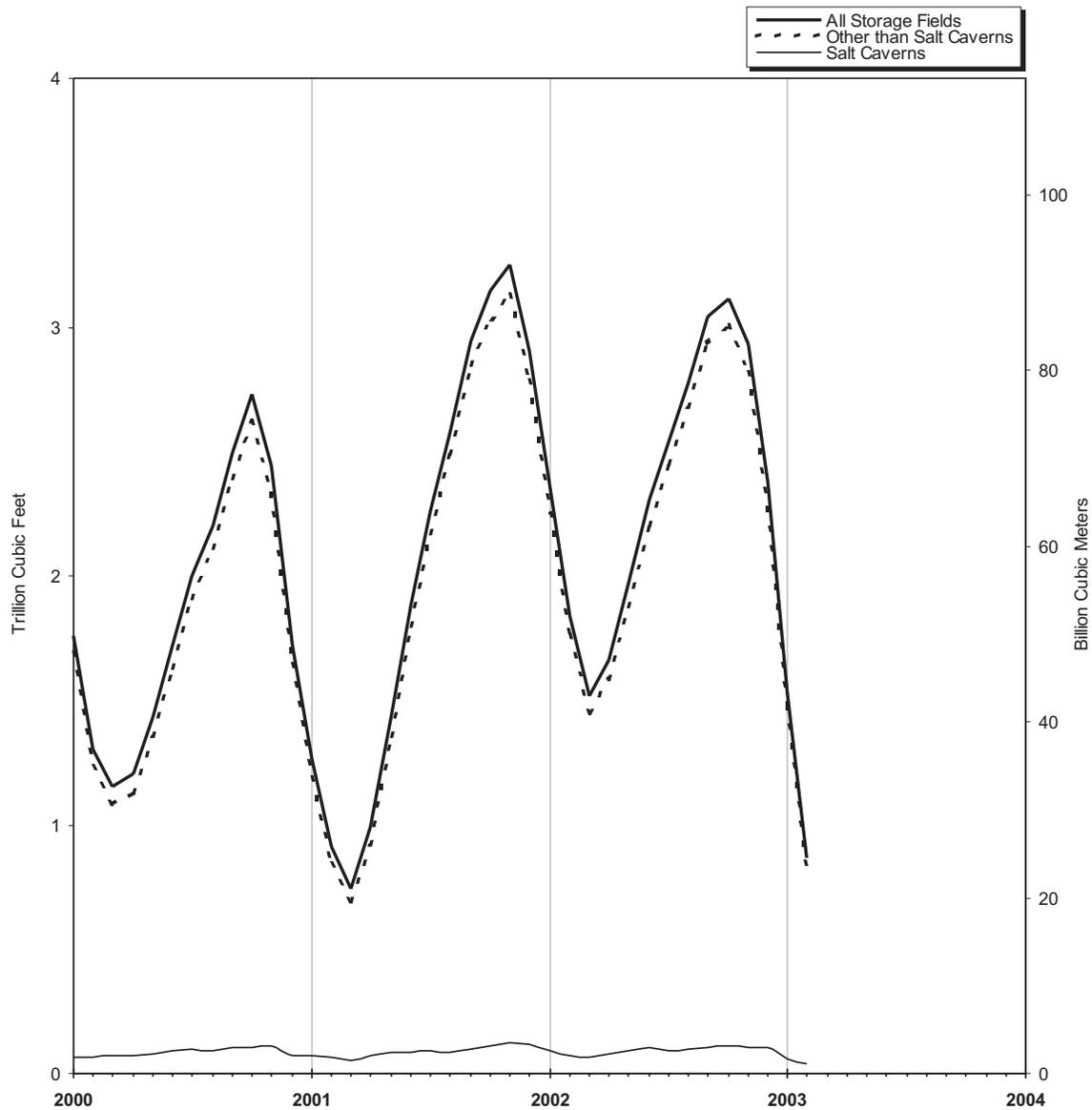
Notes: Data for 1997 through 2001 are final. All other data are

preliminary unless otherwise noted. See Explanatory Note 6 for discussion of revision policy. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia.

Sources: Form EIA-191, "Monthly Underground Gas Storage Report," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Figure 5

Figure 5. Working Gas in Underground Natural Gas Storage in the U.S., 2000-2003



Sources: Tables 10, 11 and 12.

Table 10. Underground Natural Gas Storage - by Season, 2000-2003
(Volumes in Billion Cubic Feet)

Year, Season and Month	Natural Gas in Underground Storage at End of Period			Change In Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals	Net Withdrawals ^a
October 2000	4,360	2,732	7,092	-345	-11.1	329	88	-241
2000-2001 Heating Season								
November	4,361	2,442	6,803	-628	-20.3	108	396	288
December	4,352	1,719	6,071	-806	-31.9	66	785	720
January	4,344	1,265	5,609	-495	-28.1	92	588	496
February	4,328	912	5,241	-391	-30.0	74	414	339
March	4,300	742	5,042	-412	-35.7	116	298	183
Total	—	—	—	—	—	455	2,481	2,026
2001 Refill Season								
April	4,261	992	5,253	-210	-17.5	349	70	-279
May	4,309	1,440	5,749	7	0.5	520	41	-479
June	4,310	1,882	6,193	165	9.6	490	49	-441
July	4,315	2,261	6,576	258	12.9	451	66	-385
August	4,313	2,576	6,889	377	17.1	386	79	-307
September	4,318	2,944	7,262	450	18.0	413	41	-372
October	4,310	3,144	7,454	412	15.1	282	93	-190
Total	—	—	—	—	—	2,892	439	-2,453
2001-2002 Heating Season								
November	4,301	3,254	7,555	812	33.2	210	138	-73
December	4,301	2,904	7,204	1,185	68.9	80	432	352
January	4,313	2,344	6,657	1,078	85.2	59	605	546
February	4,356	1,838	6,194	925	101.4	55	517	462
March	4,355	1,518	5,873	776	104.7	105	425	320
Total	—	—	—	—	—	510	2,117	1,607
2002 Refill Season								
April	4,355	1,659	6,014	666	67.1	237	111	-126
May	4,361	1,968	6,329	528	36.7	381	58	-323
June	4,355	2,308	6,663	426	22.6	395	56	-339
July	4,358	2,539	6,896	278	12.3	341	101	-239
August	4,357	2,773	7,130	198	7.7	322	89	-234
September	4,342	3,042	7,384	97	3.3	364	72	-292
October	4,342	3,116	7,458	-28	-0.9	229	145	-84
Total	—	—	—	—	—	2,269	633	-1,636
2002-2003 Heating Season								
November	4,344	2,929	7,273	-325	-10.0	124	322	198
December	4,340	2,375	6,715	-528	-18.2	66	624	558
January	^R 4,342	1,534	^R 5,876	-810	-34.5	44	886	841
February	4,334	864	5,198	-974	-53.0	48	723	676
Total	—	—	—	—	—	282	2,555	2,273

^a Negative numbers indicate the volume of injections in excess of withdrawals. Positive numbers indicate the volume of withdrawals in excess of injections.

^R Revised Data.

— Not Applicable.

Notes: Data through 2001 are final. All other data are preliminary unless otherwise noted. See Explanatory Note 6 for discussion of revision policy. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period

to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia.

Sources: Form EIA-191, "Monthly Underground Gas Storage Report," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 11. Underground Natural Gas Storage - Salt Cavern Storage Fields, 1997-2003
(Volumes in Billion Cubic Feet)

Year and Month	Natural Gas in Salt Cavern Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals	Net Withdrawals
1997 Total^a	—	—	—	—	—	267	274	6
1998 Total^a	—	—	—	—	—	297	275	-22
1999 Total^a	—	—	—	—	—	260	259	-1
2000 Total^a	—	—	—	—	—	296	320	24
2001								
January	71	73	144	9	13.5	32	30	-2
February	69	67	136	1	1.1	19	24	5
March	69	53	122	-16	-23.6	20	35	15
April	69	71	140	-3	-4.4	32	15	-17
May	71	85	156	8	10.4	30	14	-15
June	71	85	155	-5	-5.1	26	26	0
July	71	89	160	-8	-8.4	30	27	-3
August	71	86	157	-2	-2.7	29	30	1
September	71	100	171	0	-0.3	35	19	-16
October	71	108	180	1	0.8	35	25	-10
November	77	123	200	13	11.6	35	21	-14
December	77	115	191	43	59.4	19	28	9
Total	—	—	—	—	—	341	294	-47
2002								
January	77	93	170	19	26.2	24	46	22
February	77	74	151	7	10.9	20	38	18
March	77	65	142	12	22.3	27	36	9
April	77	77	154	6	8.1	29	17	-12
May	77	93	171	8	9.7	35	19	-16
June	77	104	181	19	22.2	32	21	-10
July	80	91	171	2	2.7	29	36	7
August	80	96	176	10	11.3	32	27	-5
September	81	102	184	2	2.2	34	27	-7
October	82	108	190	0	0.1	38	31	-7
November	75	106	181	-18	-14.3	29	28	0
December	75	102	177	-13	-10.9	30	35	4
Total	—	—	—	—	—	359	361	2
2003								
January	76	56	133	-36	-39.1	21	65	43
February	76	38	114	-37	-49.3	25	42	18

^a Total as of December 31.

— Not Applicable.

Notes: Data for 1997 through 2001 are final. All other data are preliminary unless otherwise noted. See Explanatory Note 6 for discussion of the reporting of underground storage information. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due

to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia. Positive net withdrawals indicate the volume of withdrawals in excess of injections. Negative net withdrawals indicate the volume of injections in excess of withdrawals.

Sources: Form EIA-191, "Monthly Underground Gas Storage Report," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 12. Underground Natural Gas Storage - Storage Fields Other than Salt Caverns, 1997-2003

(Volumes in Billion Cubic Feet)

Year and Month	Natural Gas in Non-Salt Cavern Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals	Net Withdrawals
1997 Total^a	—	—	—	—	—	2,533	2,551	18
1998 Total^a	—	—	—	—	—	2,608	2,103	-504
1999 Total^a	—	—	—	—	—	2,338	2,512	175
2000 Total^a	—	—	—	—	—	2,388	3,178	790
2001								
January	4,273	1,192	5,465	-504	-29.7	60	558	498
February	4,259	846	5,105	-392	-31.5	55	389	334
March	4,232	688	4,920	-396	-36.3	96	264	168
April	4,192	921	5,113	-208	-17.0	317	55	-262
May	4,239	1,355	5,594	-1	0.4	490	26	-464
June	4,239	1,798	6,037	171	11.2	464	23	-441
July	4,245	2,172	6,417	266	14.4	421	39	-382
August	4,242	2,490	6,732	380	18.5	358	49	-308
September	4,247	2,844	7,091	450	19.9	378	22	-356
October	4,238	3,036	7,274	411	15.7	248	68	-180
November	4,224	3,131	7,354	799	34.3	176	117	-59
December	4,224	2,789	7,013	1,142	69.3	61	404	343
Total	—	—	—	—	—	3,123	2,015	-1,108
2002								
January	4,236	2,251	6,487	1,059	88.8	36	560	524
February	4,279	1,764	6,043	918	108.6	35	479	444
March	4,278	1,453	5,731	764	111.0	78	389	311
April	4,278	1,582	5,860	661	71.7	208	94	-114
May	4,284	1,875	6,159	520	38.4	346	39	-307
June	4,278	2,205	6,483	407	22.6	363	35	-328
July	4,278	2,448	6,725	275	12.7	312	65	-247
August	4,277	2,678	6,954	188	7.5	290	62	-228
September	4,261	2,939	7,201	95	3.3	330	45	-285
October	4,260	3,008	7,268	-28	-0.9	191	114	-77
November	4,269	2,823	7,092	-308	-9.8	95	293	198
December	4,265	2,273	6,539	-516	-18.5	36	590	554
Total	—	—	—	—	—	2,320	2,765	445
2003								
January	^R 4,265	1,478	^R 5,743	-773	-34.3	23	821	798
February	4,258	826	5,084	-938	-53.2	23	681	658

^a Total as of December 31.

^R Revised Data.

— Not Applicable.

Notes: Data for 1997 through 2001 are final. All other data are preliminary unless otherwise noted. See Explanatory Note 6 for discussion of the reporting of underground storage information. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the

quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia. Positive net withdrawals indicate the volume of withdrawals in excess of injections. Negative net withdrawals indicate the volume of injections in excess of withdrawals.

Sources: Form EIA-191, "Monthly Underground Gas Storage Report," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 13. Net Withdrawals from Underground Storage, by State, 2001-2003
(Volumes in Million Cubic Feet)

State	2003		2002				
	February	January	Total	December	November	October	September
Alabama	-420	1,789	-560	142	-396	-128	-64
Arkansas	1,409	1,836	369	870	164	-19	-393
California	49,464	33,248	15,006	42,090	-3,132	-8,108	-4,707
Colorado	8,432	4,213	1,136	2,050	-216	860	-4,010
Illinois	50,338	70,407	18,753	52,256	19,257	-29,678	-38,523
Indiana	5,301	7,519	1,502	3,787	-35	-2,819	-3,096
Iowa	13,459	21,778	4,260	19,193	-3,202	-12,941	-12,563
Kansas	20,396	25,657	18,212	15,396	10,896	2,224	-11,061
Kentucky	17,123	21,305	9,663	9,187	4,857	-1,870	-6,208
Louisiana	55,201	66,838	35,910	33,271	30,071	-6,114	-37,513
Maryland	4,003	4,738	-701	416	80	143	44
Michigan	128,637	157,642	100,037	97,960	46,438	-12,987	-49,663
Minnesota	504	659	4	6	-85	-198	-299
Mississippi	7,791	16,204	2,987	3,567	-381	1,973	89
Missouri	555	1,218	-413	-118	-272	-294	-781
Montana	4,732	4,353	-5,924	3,473	1,917	69	-4,292
Nebraska	1,512	1,170	1,104	762	55	0	-922
New Mexico	1,728	424	8,646	1,915	1,324	706	-486
New York	17,730	22,151	12,907	15,589	3,803	-1,638	-5,554
Ohio	43,314	62,002	27,849	46,655	17,321	-6,959	-22,382
Oklahoma	32,780	38,560	36,056	22,334	9,679	3,302	-6,868
Oregon	2,367	2,570	-1,684	1,198	-918	-503	-690
Pennsylvania	77,271	119,623	50,587	75,625	9,413	-4,996	-37,856
Tennessee	110	62	69	0	88	2	3
Texas	72,434	77,260	71,631	51,254	31,438	-9,965	-19,950
Utah	8,305	7,036	-2,187	7,272	3,375	401	-3,633
Virginia	496	978	393	488	274	-222	-301
Washington	7,520	3,221	-362	1,092	-1,335	1,698	-1,487
West Virginia	37,668	61,978	43,394	44,494	14,592	3,632	-16,735
Wyoming	5,576	4,741	-1,250	5,800	2,629	291	-1,837
AGA Regions							
Producing	191,320	228,568	173,250	128,748	82,796	-8,020	-76,245
Eastern Consuming	397,516	552,572	269,404	366,294	112,668	-70,626	-194,538
Western Consuming	86,900	60,042	4,737	62,981	2,236	-5,490	-20,955
Total	675,736	841,183	447,391	558,024	197,700	-84,135	-291,738

See footnotes at end of table.

Table 13. Net Withdrawals from Underground Storage, by State, 2001-2003
(Volumes in Million Cubic Feet) — Continued

State	2002					
	August	July	June	May	April	March
Alabama	-97	-250	2	-100	-257	271
Arkansas	-390	-340	-463	-504	-47	235
California	300	-7,074	-12,551	-20,711	-20,680	5,245
Colorado	-6,603	-3,949	-3,290	700	-2,247	5,766
Illinois	-36,355	-28,449	-37,470	-26,234	8,790	26,990
Indiana	-2,706	-3,524	-2,988	-1,452	1,997	3,589
Iowa	-12,477	-12,189	-4,981	-701	363	7,122
Kansas	-9,211	-2,974	-11,587	-17,806	-6,721	12,651
Kentucky	-5,606	-4,142	-7,907	-9,766	400	10,669
Louisiana	-13,157	-6,555	-19,113	-33,062	-11,352	18,770
Maryland	-2,104	-2,618	-2,504	-780	427	2,121
Michigan	-54,020	-51,389	-58,362	-39,468	-10,433	74,426
Minnesota	-288	-276	0	0	134	375
Mississippi	-4,789	-2,822	-6,879	-8,184	-1,528	4,016
Missouri	-1,096	18	13	10	215	1,089
Montana	-5,185	-6,590	-3,915	-1,879	707	3,605
Nebraska	-705	238	-601	-1,036	-261	1,628
New Mexico	755	366	1,211	-1,304	87	1,131
New York	-5,554	-7,710	-11,015	-6,751	-1,459	7,783
Ohio	-27,004	-30,971	-32,067	-25,799	-9,911	33,060
Oklahoma	2,172	-985	-13,006	-25,468	-13,141	13,099
Oregon	-2,120	-2,679	-3,182	491	1,648	2,859
Pennsylvania	-24,677	-29,850	-49,766	-41,830	-16,389	46,264
Tennessee	4	15	2	7	0	-1
Texas	9,023	-142	-14,881	-23,862	-25,965	10,269
Utah	-6,336	-6,807	-7,112	-7,913	-3,510	2,811
Virginia	-146	-274	-289	-537	-160	383
Washington	-956	-620	-2,918	-4,057	-3,810	849
West Virginia	-20,483	-22,527	-29,037	-22,101	-10,731	20,896
Wyoming	-3,702	-4,164	-3,920	-2,877	-2,081	2,175
AGA Regions						
Producing	-15,694	-13,701	-64,716	-110,290	-58,923	60,442
Eastern Consuming	-192,929	-193,372	-236,972	-176,437	-37,154	236,020
Western Consuming	-24,891	-32,159	-36,888	-36,245	-29,838	23,685
Total	-233,514	-239,233	-338,575	-322,972	-125,916	320,146

See footnotes at end of table.

Table 13. Net Withdrawals from Underground Storage, by State, 2001-2003

(Volumes in Million Cubic Feet) — Continued

State	2002		2001				
	February	January	Total	December	November	October	September
Alabama	108	210	-1,499	-14	-522	-293	-366
Arkansas	770	486	-2,874	513	-87	-338	-579
California	4,939	39,393	-64,674	25,035	616	-14,716	-9,559
Colorado	7,182	4,892	-7,080	1,520	-106	706	-5,115
Illinois	49,634	58,536	-25,587	46,435	-726	-25,879	-33,020
Indiana	4,666	4,084	-5,910	3,832	-2,310	-4,094	-4,087
Iowa	15,015	21,622	-21,435	17,655	-3,054	-11,915	-13,993
Kansas	17,130	19,274	-45,586	12,165	-4,343	-1,160	-17,194
Kentucky	11,384	8,665	-38,209	6,123	-52	-5,254	-9,115
Louisiana	39,103	41,561	-150,239	23,713	-20,241	-11,123	-34,949
Maryland	1,352	2,722	-5,307	1,508	-71	-1,349	-1,221
Michigan	73,014	84,521	-203,022	65,526	-8,403	-41,694	-75,897
Minnesota	332	304	-713	3	-135	-174	-232
Mississippi	8,337	9,588	-20,286	4,212	-2,502	1,082	-4,069
Missouri	825	-24	-799	266	-255	-247	-348
Montana	2,765	3,400	-9,198	3,874	496	-1,576	-4,853
Nebraska	679	1,267	-2,349	831	-45	-361	-1,250
New Mexico	1,655	1,285	-9,425	651	-1,107	-206	-932
New York	10,978	14,435	-17,144	8,569	-1,338	-3,375	-6,342
Ohio	44,426	41,480	-62,723	30,969	2,925	-9,862	-26,448
Oklahoma	20,976	23,962	-87,215	11,048	-2,691	-3,992	-17,988
Oregon	787	1,424	-2,619	1,572	-766	0	-845
Pennsylvania	62,974	61,675	-93,763	48,276	-9,610	-18,104	-39,316
Tennessee	-1	-50	-337	1	-30	-100	-62
Texas	27,590	36,821	-172,746	-55	-15,137	-21,142	-28,804
Utah	7,407	11,857	-12,738	9,554	3,157	-291	-7,384
Virginia	677	500	-1,341	277	-27	-32	-271
Washington	4,145	7,037	-2,821	-102	145	1,030	-1,450
West Virginia	39,632	41,761	-79,233	25,054	-5,366	-12,943	-22,526
Wyoming	3,197	3,239	-8,701	2,853	-1,031	-2,112	-3,717
AGA Regions							
Producing	115,667	133,186	-489,871	52,233	-46,629	-37,173	-104,882
Eastern Consuming	315,254	341,195	-557,160	255,322	-28,361	-135,210	-233,897
Western Consuming	30,755	71,547	-108,544	44,308	2,376	-17,133	-33,154
Total	461,676	545,928	-1,155,575	351,862	-72,614	-189,516	-371,933

See footnotes at end of table.

Table 13. Net Withdrawals from Underground Storage, by State, 2001-2003

(Volumes in Million Cubic Feet) — Continued

State	2001						
	August	July	June	May	April	March	February
Alabama	-113	-154	-576	44	-195	604	-241
Arkansas	-505	-740	-879	-992	-603	143	397
California	-11,195	-21,278	-29,695	-29,927	-17,513	-15,032	19,843
Colorado	-4,593	-4,214	-4,099	-2,326	631	1,782	4,352
Illinois	-23,439	-20,310	-25,516	-30,499	-12,124	14,166	43,197
Indiana	-2,954	-3,719	-3,189	-1,382	1,382	2,669	3,602
Iowa	-13,804	-10,345	-6,250	-5,752	-3,039	3,819	8,401
Kansas	-7,456	-6,314	-13,667	-14,194	-11,148	5,157	15,963
Kentucky	-6,489	-10,109	-13,052	-12,071	-4,201	6,806	2,488
Louisiana	-13,447	-28,898	-42,731	-40,248	-21,920	7,263	2,218
Maryland	409	-2,644	-3,170	-2,714	-1,468	1,073	2,236
Michigan	-79,599	-87,304	-81,678	-72,160	-36,343	43,166	77,243
Minnesota	-266	-329	-319	-152	21	139	291
Mississippi	-1,981	-5,353	-6,263	-9,215	-8,549	10,941	-1,438
Missouri	-589	13	-1,063	17	-43	1,288	395
Montana	-4,966	-5,524	-4,034	-2,902	-5	1,622	4,483
Nebraska	-364	-339	-956	-1,908	-1,077	573	1,456
New Mexico	6	83	-430	-2,718	-1,640	-1,925	-1,255
New York	-6,260	-10,236	-11,216	-13,547	-6,631	8,165	11,927
Ohio	-32,365	-37,999	-32,405	-33,196	-15,810	22,798	27,041
Oklahoma	-8,939	-13,729	-28,981	-35,265	-26,701	622	14,763
Oregon	-1,860	-2,295	-2,561	-2,151	810	962	2,264
Pennsylvania	-25,643	-51,167	-55,953	-67,098	-43,294	47,115	51,332
Tennessee	-47	-63	-31	-113	-103	69	82
Texas	-23,960	-20,644	-34,494	-40,915	-42,953	3,787	9,199
Utah	-5,941	-7,179	-6,356	-7,249	-4,432	-2,814	4,004
Virginia	-322	-244	-402	-532	-434	39	92
Washington	-1,343	372	-200	-8,283	-2,300	592	6,110
West Virginia	-25,976	-31,342	-28,873	-39,574	-18,286	16,567	26,401
Wyoming	-3,169	-2,899	-1,812	-2,070	-1,080	525	2,587
AGA Regions							
Producing	-56,394	-75,749	-128,023	-143,503	-113,709	26,592	39,606
Eastern Consuming	-217,442	-265,806	-263,754	-280,526	-141,471	168,313	255,892
Western Consuming	-33,334	-43,346	-49,075	-55,061	-23,869	-12,224	43,934
Total	-307,170	-384,901	-440,851	-479,091	-279,050	182,681	339,432

Notes: This table contains total net withdrawals for each State with natural gas storage facilities. Positive numbers indicate the volume of withdrawals in excess of injections. Negative values indicate the volume of injections in excess of withdrawals. Data through 2001 are final. All other data are preliminary at this time and are not considered final until publication of the *Natural Gas Annual* for that year. The EIA publishes weekly estimates of working gas in underground storage by geographical regions developed by the American Gas Association (AGA) when they published similar weekly

estimates. The AGA Producing Region is Texas, Oklahoma, Kansas, New Mexico, Louisiana, Arkansas, Alabama and Mississippi; the Eastern Consuming Region is all States east of the Mississippi River less Mississippi, plus Iowa, Nebraska and Missouri; the Western Consuming Region is all States west of the Mississippi River less the Producing Region and Iowa, Nebraska and Missouri.

Source: Form EIA-191, "Monthly Underground Gas Storage Report."

Table 14. Activities of Underground Natural Gas Storage Operators, by State, February 2003

(Volumes in Million Cubic Feet)

State	Total Storage Capacity	Natural Gas in Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity	
		Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals
Alabama	5,280	2,526	912	3,438	-1,207	-57.0	818	398
Arkansas	22,000	8,715	3,125	11,841	-2,359	-43.0	54	1,464
California	474,920	233,927	100,020	333,947	-51,993	-34.2	528	49,992
Colorado	100,227	47,655	22,084	69,739	-1,820	-7.6	584	9,016
Illinois	898,565	666,838	82,065	748,903	-31,705	-27.9	1,189	51,527
Indiana	112,088	79,166	14,558	93,724	-5,947	-29.0	456	5,757
Iowa	273,200	201,750	9,728	211,478	-2,892	-22.9	5	13,463
Kansas	301,502	178,047	21,717	199,764	-27,523	-55.9	1,861	22,257
Kentucky	220,597	139,813	20,268	160,081	-28,188	-58.2	137	17,259
Louisiana	576,841	269,685	69,566	339,251	-103,840	-59.9	7,665	62,866
Maryland	62,000	46,677	5,099	51,776	-3,966	-43.7	655	4,658
Michigan	1,075,261	440,241	114,417	554,658	-224,269	-66.2	3,859	132,496
Minnesota	7,000	4,840	988	5,828	-530	-34.9	0	504
Mississippi	144,787	80,375	20,051	100,425	-14,566	-42.1	5,043	12,834
Missouri	31,992	21,600	8,712	30,312	-558	-6.0	88	643
Montana	374,125	179,526	18,557	198,083	3,009	19.4	1,621	6,353
Nebraska	39,469	26,995	2,377	29,372	-1,840	-43.6	18	1,530
New Mexico	96,600	29,766	7,205	36,970	-2,261	-23.9	579	2,308
New York	189,267	99,027	25,006	124,033	-18,914	-43.1	292	18,022
Ohio	575,959	348,400	23,472	371,872	-51,062	-68.5	397	43,712
Oklahoma	382,037	207,357	31,409	238,766	-61,695	-66.3	1,121	33,901
Oregon	22,042	9,714	7,716	17,430	-229	-2.9	0	2,367
Pennsylvania	950,148	339,801	90,440	430,240	-127,011	-58.4	5,641	82,912
Tennessee	1,200	340	294	634	-354	-54.6	0	110
Texas	723,922	246,797	87,236	334,034	-158,376	-64.5	13,417	85,852
Utah	129,480	64,703	21,829	86,532	6,040	38.3	125	8,430
Virginia	2,992	2,387	546	2,933	-810	-59.7	220	716
Washington	37,720	19,547	5,964	25,511	145	2.5	220	7,740
West Virginia	497,996	273,082	30,529	303,611	-56,839	-65.1	817	38,485
Wyoming	105,869	64,735	17,810	82,545	-2,606	-12.8	101	5,678
AGA Regions								
Producing	2,252,968	1,023,267	241,222	1,264,489	-371,827	-60.7	30,559	221,879
Eastern Consuming	4,930,734	2,686,118	427,510	3,113,628	-554,355	-56.5	13,773	411,289
Western Consuming	1,251,382	624,647	194,967	819,614	-47,984	-19.8	3,179	90,080
Total	8,435,084	4,334,033	863,699	5,197,731	-974,166	-53.0	47,512	723,248

Notes: Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia. The EIA publishes weekly estimates of working gas in underground storage by geographical regions developed by the American Gas Association (AGA)

when they published similar weekly estimates. The AGA Producing Region is Texas, Oklahoma, Kansas, New Mexico, Louisiana, Arkansas, Alabama and Mississippi; the Eastern Consuming Region is all States east of the Mississippi River less Mississippi, plus Iowa, Nebraska and Missouri; the Western Consuming Region is all States west of the Mississippi River less the Producing Region and Iowa, Nebraska and Missouri.

Source: Form EIA-191, "Monthly Underground Gas Storage Report."

Table 15. Natural Gas Deliveries to Residential Consumers, by State, 2001-2003
(Million Cubic Feet)

State	2003	2002				
	January	Total	December	November	October	September
Alabama	10,454	44,311	7,294	2,750	1,166	1,075
Alaska	2,216	NA	2,144	1,448	1,255	856
Arizona	6,926	35,631	4,375	2,095	1,329	1,109
Arkansas	NA	NA	NA	NA	NA	NA
California	NA	NA	NA	36,675	31,457	23,154
Colorado	17,952	NA	19,113	15,201	9,670	3,487
Connecticut	8,359	NA	6,576	4,382	1,797	981
Delaware	2,206	9,105	1,492	823	262	171
District of Columbia	3,415	14,055	2,737	1,801	895	333
Florida	3,069	15,220	1,928	938	749	743
Georgia	29,792	125,867	24,799	15,666	5,526	3,624
Hawaii	51	539	48	46	36	44
Idaho	3,030	20,380	2,740	2,149	866	457
Illinois	96,280	465,543	74,419	52,978	29,433	10,088
Indiana	35,434	155,738	26,877	15,529	7,634	2,871
Iowa	13,968	71,486	11,126	7,625	3,960	1,417
Kansas	16,114	71,002	16,617	7,335	2,418	1,413
Kentucky	14,805	60,304	12,830	7,056	3,069	1,089
Louisiana	12,007	NA	8,047	NA	1,840	1,737
Maine	199	NA	169	103	66	26
Maryland	18,028	NA	16,140	9,714	5,033	1,931
Massachusetts	NA	NA	NA	10,449	4,432	2,706
Michigan	70,297	364,741	56,234	37,918	17,768	7,238
Minnesota	25,826	NA	20,302	15,925	10,147	3,314
Mississippi	5,600	NA	4,052	NA	769	683
Missouri	22,573	115,721	17,994	10,955	4,087	2,389
Montana	3,222	21,605	2,831	2,262	1,453	560
Nebraska	7,863	43,033	6,219	4,217	1,698	881
Nevada	5,431	32,003	4,226	2,603	1,428	1,081
New Hampshire	NA	NA	NA	738	279	169
New Jersey	45,683	208,910	36,647	21,943	10,021	5,117
New Mexico	NA	33,183	4,850	2,661	1,138	830
New York	66,687	NA	54,259	NA	15,913	NA
North Carolina	NA	58,973	10,941	6,327	2,060	1,045
North Dakota	2,122	NA	1,692	1,287	1,046	282
Ohio	68,201	321,595	53,239	31,192	16,460	5,947
Oklahoma	12,897	65,758	8,917	4,911	1,658	1,324
Oregon	5,968	38,866	5,167	3,424	1,436	931
Pennsylvania	51,289	238,091	40,675	24,399	11,306	5,153
Rhode Island	3,191	NA	NA	2,204	625	431
South Carolina	7,840	27,757	5,315	2,040	610	499
South Dakota	2,427	12,861	1,693	1,487	930	284
Tennessee	17,827	71,279	12,749	5,712	1,860	1,131
Texas	45,416	NA	32,982	NA	9,325	6,207
Utah	8,174	58,895	8,257	6,702	4,475	2,001
Vermont	504	2,761	385	274	98	63
Virginia	19,182	77,001	15,315	9,465	4,325	1,585
Washington	10,385	73,752	9,204	6,861	3,158	1,893
West Virginia	NA	40,248	6,229	4,348	1,643	1,220
Wisconsin	27,729	136,129	20,800	15,669	9,616	2,875
Wyoming	2,145	NA	1,844	1,372	885	396
Total	946,119	4,915,081	772,520	488,564	250,181	125,059

See footnotes at end of table.

Table 15. Natural Gas Deliveries to Residential Consumers, by State, 2001-2003
(Million Cubic Feet) — Continued

State	2002					
	August	July	June	May	April	March
Alabama	1,067	1,094	1,376	1,606	3,315	7,033
Alaska	612	436	NA	989	1,453	2,185
Arizona	1,048	1,108	1,384	1,718	2,678	4,531
Arkansas	NA	NA	NA	NA	NA	NA
California	23,498	24,896	26,372	34,653	43,114	58,010
Colorado	2,491	2,556	2,635	5,094	NA	17,031
Connecticut	972	819	^R 1,259	2,022	3,702	4,736
Delaware	162	191	265	460	909	1,286
District of Columbia	314	314	347	559	798	1,648
Florida	725	779	836	909	1,252	1,954
Georgia	3,544	3,651	3,710	4,822	5,755	13,698
Hawaii	42	45	41	44	49	48
Idaho	360	391	697	1,237	1,795	2,797
Illinois	9,170	9,527	12,241	23,423	42,614	65,402
Indiana	2,953	2,634	4,167	8,643	14,105	21,786
Iowa	1,408	1,322	1,864	3,521	6,509	10,467
Kansas	1,352	1,463	1,988	2,965	6,316	10,662
Kentucky	1,103	1,032	1,129	1,691	3,667	8,162
Louisiana	^R 1,646	^R 1,759	^R 2,355	^R 2,071	^R 4,000	NA
Maine	26	25	NA	49	88	134
Maryland	NA	1,636	^R 1,949	3,087	4,739	9,704
Massachusetts	2,334	3,231	4,519	6,854	10,259	14,639
Michigan	6,428	7,505	13,734	23,198	35,940	49,969
Minnesota	NA	2,998	3,474	7,835	10,885	19,906
Mississippi	682	717	920	1,019	2,147	4,154
Missouri	2,075	2,353	3,148	5,173	10,616	16,977
Montana	451	454	785	1,412	2,079	3,207
Nebraska	735	893	1,156	1,839	4,222	6,223
Nevada	940	1,033	1,296	1,753	2,405	3,726
New Hampshire	145	225	303	445	653	934
New Jersey	^R 4,635	4,968	6,250	9,956	17,515	27,256
New Mexico	810	817	958	1,266	2,647	4,947
New York	9,174	10,987	15,561	25,856	38,011	50,929
North Carolina	889	1,019	1,456	1,771	4,110	7,872
North Dakota	NA	195	248	641	1,028	1,761
Ohio	5,918	7,452	9,587	16,745	28,966	45,040
Oklahoma	1,549	1,711	1,974	^R 2,635	6,630	10,581
Oregon	840	993	1,613	2,776	3,851	5,257
Pennsylvania	4,464	5,195	7,271	12,207	22,193	31,719
Rhode Island	424	476	783	1,268	1,858	2,976
South Carolina	482	538	721	832	1,901	4,261
South Dakota	239	224	326	757	1,231	1,941
Tennessee	1,089	1,196	1,667	2,087	5,347	11,326
Texas	6,400	6,736	7,014	7,587	15,490	30,253
Utah	1,412	1,412	1,574	2,277	3,244	7,740
Vermont	58	64	119	182	312	346
Virginia	1,635	1,519	1,976	2,773	4,365	9,394
Washington	^R 1,675	^R 1,972	^R 3,142	5,537	7,879	10,270
West Virginia	1,113	1,225	1,236	2,520	3,433	5,605
Wisconsin	2,656	2,587	3,458	7,853	11,317	20,423
Wyoming	183	NA	453	815	1,269	NA
Total	117,293	127,814	163,537	258,793	419,441	666,416

See footnotes at end of table.

Table 15. Natural Gas Deliveries to Residential Consumers, by State, 2001-2003

(Million Cubic Feet) — Continued

State	2002		2001			
	February	January	Total	December	November	October
Alabama	7,640	8,895	^R 49,229	^R 4,469	^R 3,074	^R 1,706
Alaska	1,998	2,125	^R 16,818	^R 2,785	^R 2,187	^R 1,662
Arizona	6,659	7,599	^R 37,049	^R 5,338	^R 1,845	^R 1,311
Arkansas	7,325	^R 7,944	^R 37,202	^R 5,759	^R 3,407	^R 1,534
California	64,134	79,507	^R 512,695	^R 64,425	^R 39,037	^R 29,189
Colorado	19,643	21,658	^R 123,629	^R 17,103	^R 8,526	^R 4,058
Connecticut	NA	6,197	^R 40,599	^R 5,369	^R 3,574	^R 2,113
Delaware	1,385	1,697	^R 9,175	^R 815	^R 615	^R 334
District of Columbia	1,988	2,324	^R 12,947	^R 1,231	^R 865	^R 428
Florida	1,893	2,516	^R 15,547	^R 1,199	^R 983	^R 762
Georgia	19,102	21,969	^R 119,969	^R 16,734	^R 8,398	^R 7,915
Hawaii	48	49	537	47	43	40
Idaho	3,442	3,450	^R 19,118	^R 2,827	^R 1,601	^R 713
Illinois	64,032	72,217	^R 427,146	^R 64,165	^R 34,223	^R 26,244
Indiana	21,741	26,798	^R 147,338	^R 18,881	^R 11,475	^R 8,020
Iowa	10,288	11,981	^R 71,074	^R 9,075	^R 4,795	^R 3,531
Kansas	11,197	13,277	^R 70,182	^R 8,412	^R 3,836	^R 2,057
Kentucky	9,346	10,130	^R 56,947	^R 9,578	^R 5,135	^R 3,187
Louisiana	^R 7,697	8,322	^R 49,003	^R 5,802	^R 3,326	^R 2,230
Maine	138	141	^R 954	132	^R 61	54
Maryland	11,882	12,872	^R 76,891	^R 8,906	^R 5,564	^R 4,890
Massachusetts	16,360	17,297	^R 106,636	^R 9,272	^R 7,038	^R 4,510
Michigan	49,807	59,002	^R 343,682	^R 40,939	^R 27,514	^R 18,699
Minnesota	16,809	20,571	^R 124,891	^R 17,820	^R 9,708	^R 7,587
Mississippi	3,929	5,860	^R 27,909	^R 2,827	^R 1,903	^R 921
Missouri	18,792	21,161	^R 116,188	^R 13,263	^R 6,977	^R 3,942
Montana	2,799	3,313	^R 20,147	^R 2,952	^R 1,842	^R 1,160
Nebraska	6,220	8,729	^R 46,663	^R 4,352	^R 4,791	^R 1,777
Nevada	5,642	5,871	32,609	^R 5,877	^R 2,188	^R 1,245
New Hampshire	1,053	1,047	^R 6,812	^R 735	^R 490	^R 300
New Jersey	30,266	34,336	^R 209,834	^R 23,936	^R 15,915	^R 9,706
New Mexico	6,135	6,124	^R 36,577	^R 4,986	^R 1,993	^R 1,170
New York	52,455	56,231	^R 376,176	^R 42,904	^R 27,651	^R 16,847
North Carolina	9,570	11,913	^R 56,815	^R 6,443	^R 4,592	^R 2,514
North Dakota	1,455	1,837	^R 10,570	^R 1,714	^R 999	^R 771
Ohio	47,274	53,775	^R 308,522	^R 37,245	^R 23,529	^R 15,668
Oklahoma	11,106	12,761	^R 64,622	^R 7,715	^R 3,407	^R 1,891
Oregon	6,096	6,480	^R 38,271	^R 5,274	^R 3,342	^R 1,442
Pennsylvania	33,327	40,182	^R 238,849	^R 26,948	^R 17,515	^R 11,085
Rhode Island	2,648	^R 2,925	17,937	1,609	1,153	617
South Carolina	4,632	5,926	^R 27,485	^R 2,537	^R 2,071	^R 892
South Dakota	1,726	2,024	^R 12,335	^R 1,801	^R 974	^R 670
Tennessee	12,157	14,959	^R 68,053	^R 8,012	^R 4,509	^R 2,198
Texas	29,456	42,635	^R 208,449	^R 29,757	^R 12,891	^R 7,927
Utah	9,276	10,522	^R 55,008	^R 10,075	^R 5,575	^R 3,468
Vermont	441	419	2,719	270	203	91
Virginia	11,122	13,527	^R 70,249	^R 8,084	^R 5,192	^R 3,088
Washington	11,229	10,931	^R 84,416	^R 15,980	^R 11,145	5,692
West Virginia	5,765	^R 5,912	^R 33,459	^R 4,771	^R 3,090	^R 2,234
Wisconsin	17,975	20,900	^R 125,277	^R 17,762	^R 9,205	^R 7,696
Wyoming	1,439	2,365	^R 10,977	^R 1,499	^R 1,040	^R 716
Total	704,264	821,200	^R4,776,186	^R610,411	^R361,013	^R238,503

See footnotes at end of table.

Table 15. Natural Gas Deliveries to Residential Consumers, by State, 2001-2003

(Million Cubic Feet) — Continued

State	2001					
	September	August	July	June	May	April
Alabama	R1,164	R1,185	R1,194	R1,348	R1,968	R4,786
Alaska	R819	538	R520	R612	R981	R1,183
Arizona	R1,168	R986	R1,060	R1,272	R1,904	R2,836
Arkansas	R772	R806	R967	R811	R942	R1,971
California	R21,331	R22,473	R24,195	R23,066	R30,699	R41,839
Colorado	R2,803	R2,515	R3,061	R4,435	R8,225	R12,560
Connecticut	R880	R1,001	R801	R1,204	R1,304	R3,640
Delaware	R183	R161	R212	R269	R451	R1,026
District of Columbia	R301	R282	R318	R400	R539	R1,256
Florida	R699	R700	R726	R778	R951	R1,307
Georgia	R3,728	R3,546	R3,517	R3,547	R4,594	R6,945
Hawaii	43	41	44	47	46	47
Idaho	R424	341	R413	R585	R1,066	R1,799
Illinois	R12,180	R8,945	R9,923	R11,415	R14,412	R26,391
Indiana	R3,555	R2,775	R3,038	R3,788	R4,977	R10,943
Iowa	R1,587	R1,318	R1,549	R1,934	R2,645	R5,573
Kansas	R1,207	1,539	1,536	R1,742	R2,438	R5,756
Kentucky	R1,385	R1,087	R1,041	R961	R1,312	R2,471
Louisiana	R1,589	R1,528	R1,863	R1,634	R1,996	R3,161
Maine	32	25	25	22	R38	R91
Maryland	R1,810	R1,749	R1,738	R2,119	R2,916	R6,453
Massachusetts	R2,852	R2,435	R2,713	R3,545	R5,817	R11,658
Michigan	R8,490	R6,180	R6,923	R10,447	R16,156	R32,694
Minnesota	R3,217	R2,643	R2,723	R3,477	R4,821	R9,542
Mississippi	R721	R655	R743	R782	R1,156	R1,992
Missouri	R2,592	R2,160	R2,404	R3,051	R3,850	R9,618
Montana	R503	R405	R417	R697	R1,050	R1,910
Nebraska	R901	R931	R982	R1,209	R2,592	R4,713
Nevada	R1,034	R996	R1,042	R1,175	R1,641	R2,473
New Hampshire	R184	R148	R153	R213	R406	R734
New Jersey	R5,534	R4,883	R4,918	R6,066	R9,259	R20,613
New Mexico	R951	R891	R937	R1,114	R1,946	R3,401
New York	R10,188	R9,451	R9,813	R13,426	R18,799	R37,822
North Carolina	R1,086	R948	R1,086	R1,101	R2,040	R5,039
North Dakota	R263	R279	R213	R243	R363	R809
Ohio	R6,755	R6,040	R7,301	R8,651	R12,105	R27,506
Oklahoma	R1,271	R1,279	R1,462	R1,680	R2,300	R5,415
Oregon	R893	R882	R1,054	1,508	2,653	R3,915
Pennsylvania	R5,351	R4,923	R5,024	R6,350	R10,118	R23,207
Rhode Island	506	450	476	644	1,030	2,133
South Carolina	R516	R473	R499	R575	R989	R2,640
South Dakota	R279	R277	R248	R370	R549	R1,042
Tennessee	R1,228	R1,125	R1,139	R1,295	R1,981	R5,382
Texas	R5,229	R7,310	R5,422	R6,521	R7,979	R14,627
Utah	R1,589	R1,442	R1,414	R1,771	R1,877	R4,096
Vermont	67	54	65	96	146	316
Virginia	R1,454	R1,538	R1,497	R1,760	R2,317	R5,566
Washington	R1,780	R1,656	R2,008	R3,025	R4,900	R7,279
West Virginia	R752	R448	R386	R442	R963	R3,394
Wisconsin	R3,549	R2,302	R2,803	R3,245	R4,620	R8,178
Wyoming	R271	R247	R238	R435	R605	R1,149
Total	R127,662	R116,997	R123,841	R146,904	R209,430	R400,901

R Revised Data.

NA Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia. See Appendix A, Explanatory Note 7 for discussion of computations and

revision policy.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 2001-2003
(Million Cubic Feet)

State	2003	2002				
	January	Total	December	November	October	September
Alabama	4,479	NA	3,324	1,858	1,201	1,078
Alaska	2,174	NA	2,308	1,853	1,196	799
Arizona	4,002	32,965	3,447	2,521	2,123	1,915
Arkansas	NA	NA	NA	NA	NA	NA
California	NA	NA	NA	15,268	18,657	16,290
Colorado	8,185	NA	9,059	7,228	5,014	2,223
Connecticut	6,074	NA	5,581	3,990	2,443	1,838
Delaware	NA	NA	NA	580	259	201
District of Columbia	2,548	NA	NA	2,046	1,271	857
Florida	5,469	51,954	5,102	4,142	3,676	3,823
Georgia	10,162	52,112	8,941	4,637	2,754	2,055
Hawaii	161	1,720	151	146	144	144
Idaho	1,812	14,779	1,686	1,326	699	476
Illinois	37,339	208,231	28,990	21,752	14,326	7,862
Indiana	18,043	NA	13,468	8,694	5,439	2,541
Iowa	8,265	46,248	6,639	4,877	2,652	1,847
Kansas	6,784	38,812	5,065	3,707	1,948	1,281
Kentucky	7,930	37,256	5,932	3,931	2,157	1,058
Louisiana	2,578	NA	NA	NA	NA	NA
Maine	537	NA	NA	NA	NA	459
Maryland	10,870	NA	NA	7,168	4,666	3,597
Massachusetts	NA	NA	NA	5,857	5,277	3,911
Michigan	32,055	173,019	24,214	16,312	9,435	5,442
Minnesota	17,534	NA	14,151	10,890	7,811	3,848
Mississippi	3,590	NA	2,608	NA	1,202	1,087
Missouri	11,049	65,389	8,549	5,796	3,724	2,077
Montana	1,936	14,612	1,744	1,432	914	440
Nebraska	4,273	27,870	3,528	2,297	1,218	965
Nevada	2,832	22,904	2,540	1,936	1,485	1,255
New Hampshire	NA	NA	NA	728	NA	NA
New Jersey	25,181	149,268	22,805	13,465	8,958	8,381
New Mexico	NA	25,306	3,006	2,205	1,119	778
New York	33,978	NA	35,031	NA	19,735	NA
North Carolina	NA	40,143	6,200	3,648	2,429	1,625
North Dakota	1,947	NA	1,611	1,310	1,017	363
Ohio	36,594	162,632	24,454	17,167	9,165	4,391
Oklahoma	5,796	37,400	4,135	2,395	1,149	1,208
Oregon	3,745	28,530	3,335	2,345	1,286	1,082
Pennsylvania	NA	147,719	22,453	14,437	9,395	5,415
Rhode Island	NA	NA	1,095	652	621	429
South Carolina	NA	21,328	2,901	1,715	1,192	1,123
South Dakota	1,713	10,252	1,374	1,185	762	314
Tennessee	11,218	NA	7,936	4,027	2,350	2,143
Texas	28,126	NA	22,819	NA	12,236	10,586
Utah	4,449	33,894	4,454	3,627	2,353	1,266
Vermont	429	2,470	332	238	114	83
Virginia	11,330	63,896	9,692	6,667	4,272	2,657
Washington	5,290	51,868	5,724	4,439	2,521	1,937
West Virginia	NA	40,957	4,973	3,853	3,478	2,030
Wisconsin	15,800	89,563	12,935	12,943	7,587	3,261
Wyoming	1,353	11,099	1,495	1,159	767	391
Total	483,627	3,147,189	407,908	300,787	200,348	145,702

See footnotes at end of table.

Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 2001-2003
(Million Cubic Feet) — Continued

State	2002					
	August	July	June	May	April	March
Alabama	NA	1,073	1,185	1,353	1,901	3,226
Alaska	669	557	933	NA	1,688	1,831
Arizona	1,891	1,976	2,152	2,399	2,779	3,482
Arkansas	NA	NA	NA	NA	NA	NA
California	17,840	17,229	17,778	20,446	20,574	22,685
Colorado	1,731	1,691	1,716	3,020	NA	8,062
Connecticut	1,932	1,800	1,855	2,263	3,804	4,916
Delaware	182	187	225	364	594	834
District of Columbia	838	824	797	969	1,247	2,030
Florida	3,679	3,837	3,949	4,011	4,478	5,175
Georgia	2,108	2,145	2,141	2,632	2,989	5,826
Hawaii	138	147	146	139	143	138
Idaho	380	366	561	870	1,386	2,091
Illinois	6,770	6,783	7,135	11,256	19,182	27,134
Indiana	NA	2,160	2,720	3,750	6,995	10,863
Iowa	1,232	1,275	1,521	2,086	3,885	6,436
Kansas	1,463	1,424	1,327	1,750	3,223	5,301
Kentucky	1,123	1,097	1,011	1,825	2,600	5,481
Louisiana	NA	NA	NA	NA	NA	NA
Maine	NA	NA	365	NA	NA	679
Maryland	NA	2,449	3,113	3,173	4,459	7,649
Massachusetts	4,088	3,542	4,788	5,626	7,139	8,517
Michigan	5,010	5,484	7,380	11,311	17,809	20,604
Minnesota	NA	3,356	3,423	6,149	9,366	NA
Mississippi	785	1,068	1,159	1,023	1,691	2,592
Missouri	1,920	2,016	2,218	4,053	5,728	8,756
Montana	413	425	584	977	1,449	2,076
Nebraska	929	975	1,268	1,670	3,063	4,044
Nevada	1,190	1,208	1,373	1,575	1,798	2,730
New Hampshire	280	328	NA	653	844	1,195
New Jersey	5,972	6,158	6,522	10,873	12,326	14,247
New Mexico	953	962	1,208	1,627	2,395	3,415
New York	23,434	23,473	22,237	22,221	27,762	32,526
North Carolina	1,440	1,512	1,880	1,902	2,856	4,775
North Dakota	NA	282	286	656	980	NA
Ohio	4,222	4,627	5,634	9,417	14,572	22,678
Oklahoma	1,222	1,170	1,343	1,868	3,696	5,338
Oregon	1,008	1,090	1,430	2,042	2,642	3,449
Pennsylvania	5,317	5,165	5,915	8,609	13,511	17,933
Rhode Island	522	409	526	824	1,151	NA
South Carolina	1,047	1,081	1,162	1,284	1,607	2,461
South Dakota	266	277	310	555	968	1,414
Tennessee	1,928	1,884	NA	2,599	4,325	6,459
Texas	11,030	9,761	10,239	10,707	14,767	22,571
Utah	998	953	1,057	1,627	2,239	4,189
Vermont	75	72	108	161	249	294
Virginia	2,650	2,603	2,765	3,598	4,231	7,654
Washington	1,904	2,061	2,778	3,769	5,211	6,184
West Virginia	2,556	2,265	2,460	2,841	3,482	4,376
Wisconsin	2,976	2,281	2,597	4,513	6,634	11,404
Wyoming	220	470	420	630	1,000	1,391
Total	141,845	137,309	153,222	192,556	266,388	374,616

See footnotes at end of table.

Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 2001-2003
(Million Cubic Feet) — Continued

State	2002		2001			
	February	January	Total	December	November	October
Alabama	3,530	4,000	R26,377	R2,274	R1,797	R1,393
Alaska	1,782	1,970	R15,849	R2,299	R1,911	R1,499
Arizona	3,992	4,288	R31,121	R3,574	R2,240	R1,819
Arkansas	7,636	R6,226	R32,031	R3,694	R2,901	R2,083
California	24,573	28,341	R245,795	R25,444	R19,010	R18,308
Colorado	9,076	10,856	R65,011	R8,243	R4,204	R2,408
Connecticut	NA	5,464	R44,404	R4,406	R4,339	R2,253
Delaware	892	1,039	R5,680	R522	R396	R290
District of Columbia	2,204	2,452	R16,546	R1,506	R1,223	R802
Florida	4,782	5,299	R49,286	R4,215	R4,026	R3,617
Georgia	7,566	8,318	R50,645	R6,149	R4,008	R3,443
Hawaii	138	145	1,749	136	137	138
Idaho	2,493	2,444	R13,623	R1,820	R1,060	R613
Illinois	26,191	30,850	R189,160	R25,230	R14,372	R12,120
Indiana	11,356	12,783	R78,479	R9,276	R6,253	R5,016
Iowa	6,362	7,436	R45,911	R5,584	R3,556	R2,842
Kansas	5,633	6,690	R38,127	R4,147	R2,200	R1,491
Kentucky	5,567	5,473	R35,255	R4,485	R2,867	R1,772
Louisiana	4,527	4,390	R28,833	R2,827	R2,066	R1,780
Maine	701	735	R2,642	R330	R257	140
Maryland	8,073	8,404	R59,802	R6,102	R5,197	R4,473
Massachusetts	10,392	9,914	R61,677	R6,278	R4,369	R3,061
Michigan	24,282	25,734	R173,791	R19,143	R13,259	R9,466
Minnesota	11,181	12,941	R93,845	R12,297	R6,546	R6,185
Mississippi	2,814	3,229	R21,579	R2,004	R1,659	R1,234
Missouri	9,749	10,802	R64,924	R7,407	R4,083	R2,787
Montana	1,898	2,260	R13,245	R1,770	1,147	725
Nebraska	4,328	3,584	R27,792	R3,269	R1,742	R1,079
Nevada	2,789	3,026	R22,912	R2,731	R1,774	R1,383
New Hampshire	1,296	1,272	R7,349	R765	R493	R260
New Jersey	18,908	20,655	R136,578	R14,241	R10,382	R6,904
New Mexico	3,981	3,658	R24,150	R2,661	R1,443	R1,183
New York	33,808	33,569	R347,253	R37,264	R26,198	R26,630
North Carolina	5,587	6,287	R38,583	R4,038	R2,946	R2,264
North Dakota	1,374	1,747	R10,456	R1,626	R997	R781
Ohio	23,735	22,570	R172,537	R21,128	R11,693	R8,990
Oklahoma	6,986	R6,891	R42,110	R3,988	R2,310	R1,786
Oregon	3,969	4,853	R27,884	R3,348	R2,252	R1,284
Pennsylvania	19,527	20,045	R136,468	R15,565	R10,114	R8,255
Rhode Island	1,641	R1,758	R12,808	R1,222	R934	R635
South Carolina	2,739	3,016	R20,743	R1,870	R1,585	R1,298
South Dakota	1,309	1,518	R9,711	R1,378	780	600
Tennessee	7,390	9,170	R52,947	R4,830	R3,802	R2,392
Texas	16,135	23,864	R177,714	R20,466	R12,487	R10,329
Utah	5,275	5,854	R30,917	R5,250	R2,870	R1,834
Vermont	383	362	2,473	241	189	108
Virginia	8,130	8,978	R59,809	R6,501	R5,189	R3,736
Washington	6,765	8,576	R57,160	R9,222	R6,904	R4,179
West Virginia	3,986	4,658	R27,737	R3,507	R2,573	R2,754
Wisconsin	10,392	12,040	R76,439	R10,056	R5,712	R5,111
Wyoming	994	2,161	R9,535	R979	R1,081	R607
Total	393,910	432,598	R3,037,450	R347,309	R231,534	R186,143

See footnotes at end of table.

Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 2001-2003
(Million Cubic Feet) — Continued

State	2001					
	September	August	July	June	May	April
Alabama	R1,164	R1,091	R1,104	R1,180	R1,497	R2,356
Alaska	R789	R610	R603	R640	R1,050	R1,221
Arizona	R1,771	R1,747	R1,763	R1,947	R2,289	R2,778
Arkansas	R1,853	R1,704	R1,220	R1,549	1,168	R1,822
California	R16,322	R17,275	R15,370	R15,537	R16,799	R26,237
Colorado	R1,854	R1,633	R2,071	R2,659	R4,428	R6,436
Connecticut	R2,523	R1,934	R1,618	R2,456	R2,371	R4,243
Delaware	R185	R160	R184	R221	R285	R605
District of Columbia	R786	R623	R908	R852	R1,115	R1,930
Florida	R3,547	R3,393	R3,387	R3,590	R3,953	R4,262
Georgia	R2,230	R2,102	R2,058	R2,147	R2,424	R3,450
Hawaii	145	140	148	151	145	150
Idaho	R462	R402	R456	R526	R762	R1,235
Illinois	R7,631	R6,333	R6,161	R6,206	R7,784	R12,190
Indiana	R2,832	R2,211	R1,957	R2,710	R3,200	R5,558
Iowa	R1,605	R998	R1,087	R1,426	R1,812	R3,549
Kansas	R1,296	R1,379	R1,493	R1,252	R1,464	R3,078
Kentucky	R1,138	R1,119	R1,015	R1,081	R1,262	R2,339
Louisiana	R1,547	R1,664	R1,596	R1,696	R1,828	R2,045
Maine	R85	69	68	R65	R130	R247
Maryland	R3,118	R2,591	R2,641	R2,753	R3,495	R5,073
Massachusetts	R2,668	R2,290	R2,264	R2,651	R3,897	R6,323
Michigan	R5,945	R5,109	R5,148	R6,078	R8,566	R16,421
Minnesota	R3,048	R3,002	R2,807	R3,210	R4,204	R7,534
Mississippi	R935	R1,143	R1,078	R1,037	R1,194	R1,612
Missouri	R2,152	R1,977	R2,040	R2,198	R2,699	R5,397
Montana	387	363	383	492	767	R1,253
Nebraska	R1,006	R954	R1,090	R1,162	R1,554	R2,877
Nevada	R1,655	R1,238	R1,237	R1,325	R1,528	R1,940
New Hampshire	R231	R218	R126	R187	R417	R886
New Jersey	R5,179	R4,276	R4,879	R4,461	R7,522	R13,562
New Mexico	R958	R938	R898	R1,012	R1,525	R2,821
New York	R28,804	R27,552	R25,103	R22,083	R22,097	R23,895
North Carolina	R1,626	R1,445	R1,569	R1,564	R2,024	R3,203
North Dakota	R322	R313	R333	R278	R396	R803
Ohio	R5,472	R4,609	R5,112	R5,345	R7,442	R14,664
Oklahoma	R1,762	R1,688	R1,861	R1,533	R1,848	R3,454
Oregon	R1,162	R1,030	R1,084	R1,362	R1,984	R2,719
Pennsylvania	R4,753	R4,220	R4,157	R4,883	R6,660	R12,405
Rhode Island	R492	R465	460	511	743	1,382
South Carolina	R1,118	R1,076	1,067	R1,116	R1,308	R1,816
South Dakota	282	R294	R274	R302	410	R801
Tennessee	R2,064	R1,815	R2,066	R2,063	R2,356	R4,667
Texas	R9,031	R10,282	R10,373	R10,242	R11,492	R13,939
Utah	R992	R961	R926	R961	R1,368	R2,505
Vermont	92	72	74	108	136	276
Virginia	R2,950	R2,771	R2,647	R2,622	R3,125	R4,661
Washington	R1,949	R1,954	R2,089	R2,686	R3,843	R4,929
West Virginia	R1,243	R1,099	R808	R1,241	R1,272	R2,655
Wisconsin	R2,488	R1,923	R2,238	R2,465	R3,019	R5,409
Wyoming	R311	R211	R257	R352	R479	R898
Total	R143,957	R134,467	R131,356	R136,175	R165,139	R256,512

R Revised Data.

NA Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia. Gas volumes delivered for use as vehicle fuel are included in the annual

total but not in the monthly components. See Appendix A, Explanatory Note 7 for discussion of computations and revision policy.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 2001-2003
(Million Cubic Feet)

State	2003	2002				
	January	Total	December	November	October	September
Alabama	14,557	160,706	14,452	12,714	13,395	12,893
Alaska	4,328	66,205	4,298	4,563	5,586	5,536
Arizona	1,575	NA	1,712	NA	1,312	1,123
Arkansas	9,569	NA	NA	NA	NA	NA
California	NA	NA	NA	NA	68,243	62,073
Colorado	NA	NA	NA	NA	NA	NA
Connecticut	2,849	NA	2,971	2,865	2,540	2,048
Delaware	NA	NA	NA	NA	NA	NA
District of Columbia	0	0	0	0	0	0
Florida	NA	95,828	7,733	7,746	8,161	7,500
Georgia	12,936	145,243	12,393	12,240	11,928	11,635
Hawaii	40	475	37	35	35	36
Idaho ^a	2,493	NA	2,425	2,347	2,385	2,185
Illinois	31,078	NA	26,771	24,986	23,786	18,360
Indiana	26,563	254,382	25,090	22,870	21,838	19,445
Iowa	8,572	90,401	8,920	9,120	7,443	6,477
Kansas	10,000	NA	10,304	10,413	8,194	11,168
Kentucky	11,359	98,608	9,706	9,627	8,942	7,589
Louisiana	NA	710,309	66,473	66,043	58,144	54,625
Maine	611	1,281	16	61	164	122
Maryland	2,248	NA	2,153	NA	2,155	1,994
Massachusetts	NA	NA	NA	NA	NA	NA
Michigan	26,609	236,820	23,516	19,902	15,945	14,669
Minnesota	9,432	NA	9,574	9,568	8,253	6,493
Mississippi	10,679	104,568	10,156	9,028	9,079	7,980
Missouri	7,297	67,310	6,295	5,955	6,056	4,280
Montana	1,447	NA	NA	2,150	1,863	1,646
Nebraska	3,245	40,143	3,178	2,913	2,822	4,393
Nevada	1,039	11,168	1,074	999	1,037	896
New Hampshire	NA	NA	NA	626	NA	588
New Jersey	7,684	NA	NA	7,060	6,391	6,011
New Mexico	NA	19,840	1,605	1,845	1,646	1,635
New York	12,356	179,110	16,750	17,192	16,602	15,570
North Carolina	8,898	98,980	8,889	8,801	8,610	7,745
North Dakota	1,388	NA	999	914	1,030	908
Ohio	30,151	289,444	29,360	26,993	24,211	19,812
Oklahoma	11,453	116,385	11,379	11,040	9,893	9,091
Oregon	5,945	72,039	6,150	5,856	5,808	5,507
Pennsylvania	20,197	197,661	19,257	17,729	16,319	14,254
Rhode Island	NA	2,696	205	332	273	229
South Carolina	7,531	97,673	8,002	8,339	8,115	7,288
South Dakota	NA	4,588	506	546	394	271
Tennessee	10,937	NA	10,296	10,290	9,183	7,800
Texas	147,638	1,748,531	128,650	121,771	126,557	134,224
Utah	2,400	26,888	2,489	2,410	2,415	2,118
Vermont	215	3,013	279	281	263	193
Virginia	6,166	NA	5,158	NA	NA	6,582
Washington	6,080	68,985	5,874	5,978	5,741	5,132
West Virginia	NA	19,259	2,219	2,182	1,503	1,355
Wisconsin	16,611	141,788	15,181	13,178	12,047	9,268
Wyoming	NA	NA	3,873	4,096	3,785	3,099
Total	647,255	7,122,909	612,691	584,894	587,812	546,972

See footnotes at end of table.

Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 2001-2003
(Million Cubic Feet) — Continued

State	2002					
	August	July	June	May	April	March
Alabama	11,955	12,587	13,065	13,466	13,610	14,497
Alaska	6,106	7,174	6,640	5,909	4,759	4,595
Arizona	1,159	1,164	1,156	1,158	1,193	NA
Arkansas	NA	NA	NA	NA	NA	NA
California	66,371	63,160	54,341	55,260	54,374	61,534
Colorado	NA	NA	NA	NA	NA	NA
Connecticut	2,068	2,450	2,280	2,406	NA	NA
Delaware	1,761	1,572	1,204	1,269	1,657	1,946
District of Columbia	0	0	0	0	0	0
Florida	7,814	7,455	6,847	8,171	9,243	8,777
Georgia	12,631	11,761	11,545	12,231	11,763	12,964
Hawaii	42	47	36	43	42	39
Idaho ^a	NA	NA	2,065	2,299	2,377	2,561
Illinois	19,300	NA	19,888	22,448	24,491	26,897
Indiana	19,534	19,189	17,091	18,569	20,499	23,325
Iowa	6,519	5,992	5,992	7,309	7,802	8,132
Kansas	NA	9,299	7,579	7,861	6,888	8,093
Kentucky	6,508	6,915	7,165	8,120	7,521	8,625
Louisiana	57,819	55,193	54,518	55,116	56,210	61,785
Maine	150	143	154	182	178	107
Maryland	NA	2,234	2,067	1,772	2,128	2,765
Massachusetts	NA	NA	NA	NA	NA	NA
Michigan	17,142	18,046	18,358	19,401	21,968	20,956
Minnesota	NA	6,711	6,735	6,942	7,848	8,329
Mississippi	8,539	8,743	8,120	8,298	8,245	9,275
Missouri	4,518	4,444	4,489	5,657	5,702	7,013
Montana	1,367	1,311	1,508	1,622	NA	1,881
Nebraska	4,910	5,647	1,876	2,823	2,757	2,339
Nevada	862	833	870	819	978	890
New Hampshire	NA	NA	749	727	693	817
New Jersey	NA	NA	6,277	6,559	6,723	7,380
New Mexico	1,433	1,507	1,543	1,543	1,750	1,777
New York	15,668	7,452	12,561	11,626	14,312	15,850
North Carolina	7,827	7,086	7,290	8,057	7,848	9,019
North Dakota	962	1,001	NA	1,130	1,071	1,119
Ohio	21,492	20,734	21,300	23,936	23,195	25,143
Oklahoma	9,470	9,288	7,761	8,806	8,865	9,792
Oregon	5,612	5,343	5,383	5,890	5,816	6,424
Pennsylvania	14,592	13,748	14,444	15,570	16,396	18,527
Rhode Island	211	185	224	222	213	218
South Carolina	7,740	7,696	8,224	8,296	8,133	8,645
South Dakota	330	418	341	264	341	486
Tennessee	8,951	8,617	NA	9,162	9,833	9,392
Texas	146,959	156,179	163,180	156,234	174,407	144,236
Utah	2,041	1,971	1,864	2,175	2,005	2,333
Vermont	194	184	192	224	240	311
Virginia	7,421	7,481	6,961	6,355	5,659	4,718
Washington	4,980	4,786	5,183	5,415	5,982	6,276
West Virginia	1,329	1,282	1,373	1,509	1,527	1,606
Wisconsin	8,609	8,250	8,377	10,780	11,920	14,857
Wyoming	3,341	3,131	3,187	3,734	NA	2,387
Total	580,682	578,584	561,405	579,787	610,027	623,536

See footnotes at end of table.

Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 2001-2003
(Million Cubic Feet) — Continued

State	2002		2001			
	February	January	Total	December	November	October
Alabama	13,972	14,100	155,054	12,672	11,767	13,613
Alaska	5,304	5,735	67,174	5,205	4,843	5,263
Arizona	1,426	1,680	21,228	1,704	1,412	1,344
Arkansas	9,542	9,201	122,311	11,527	11,168	11,777
California	49,783	61,093	666,462	62,087	57,442	61,177
Colorado	NA	NA	57,436	4,457	4,941	3,369
Connecticut	NA	3,291	26,019	1,802	2,147	2,122
Delaware	1,916	2,266	20,059	1,639	1,804	1,971
District of Columbia	0	0	0	0	0	0
Florida	8,076	8,304	94,711	8,016	7,811	8,140
Georgia	11,756	12,395	137,899	11,212	11,239	12,533
Hawaii	40	42	532	42	37	41
Idaho ^a	2,553	2,765	30,435	2,669	2,536	2,413
Illinois	26,026	25,832	277,292	23,695	23,899	24,125
Indiana	22,843	24,088	250,766	22,971	20,330	21,014
Iowa	7,902	8,793	92,569	8,462	8,265	7,844
Kansas	7,505	8,097	92,771	7,212	7,131	6,679
Kentucky	8,854	9,037	94,896	8,851	8,090	7,364
Louisiana	59,384	64,997	747,015	72,462	69,355	68,676
Maine	0	3	10,929	701	1,160	1,135
Maryland	2,396	2,412	27,412	2,065	2,701	2,117
Massachusetts	NA	6,915	81,184	6,625	4,811	6,493
Michigan	23,834	23,082	223,798	20,000	18,664	16,597
Minnesota	7,259	7,825	92,451	7,858	9,056	7,945
Mississippi	8,300	8,804	99,341	8,580	8,146	7,304
Missouri	5,864	7,036	67,846	7,342	5,329	4,954
Montana	2,074	2,071	20,923	1,972	2,089	1,558
Nebraska	3,177	3,308	40,145	3,135	3,947	2,746
Nevada	813	1,096	11,475	1,398	865	962
New Hampshire	623	721	8,685	990	921	737
New Jersey	7,948	8,091	86,097	7,371	7,205	7,283
New Mexico	1,694	1,861	36,874	3,547	3,089	2,844
New York	17,132	18,396	84,411	8,527	5,076	6,531
North Carolina	8,855	8,954	88,844	8,498	8,170	9,111
North Dakota	1,117	1,417	17,759	1,119	1,068	1,460
Ohio	25,389	27,879	293,369	28,339	24,128	23,334
Oklahoma	9,681	11,319	161,341	15,210	14,486	15,516
Oregon	6,466	7,783	69,760	5,939	5,805	6,024
Pennsylvania	17,703	19,123	197,676	17,894	16,402	16,385
Rhode Island	202	181	6,127	604	468	606
South Carolina	8,504	8,691	79,674	7,785	7,201	8,343
South Dakota	318	372	4,211	367	343	329
Tennessee	11,803	12,295	118,566	10,391	10,696	11,542
Texas	140,601	155,534	2,093,120	164,669	166,820	167,479
Utah	2,432	2,633	33,585	2,395	2,565	3,024
Vermont	317	335	2,597	313	263	236
Virginia	6,164	6,551	65,231	7,375	8,820	3,420
Washington	6,244	7,393	75,651	7,943	7,903	7,951
West Virginia	1,531	1,842	39,598	3,284	3,459	3,265
Wisconsin	13,919	15,400	132,638	12,302	11,033	10,666
Wyoming	3,344	3,757	37,136	3,468	3,204	3,272
Total	600,486	656,034	7,363,081	644,691	620,113	620,637

See footnotes at end of table.

Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 2001-2003

(Million Cubic Feet) — Continued

State	2001					
	September	August	July	June	May	April
Alabama	12,134	12,319	11,891	11,989	12,911	13,227
Alaska	5,784	6,462	6,300	4,909	5,333	5,721
Arizona	1,439	1,813	1,853	1,872	1,975	1,810
Arkansas	9,591	9,233	8,802	8,795	9,956	10,224
California	63,833	65,128	54,565	51,983	51,398	50,003
Colorado	3,655	4,332	3,987	4,061	4,569	6,033
Connecticut	1,981	2,004	2,573	2,209	2,364	2,150
Delaware	1,557	1,433	1,454	1,429	1,229	1,718
District of Columbia	0	0	0	0	0	0
Florida	8,196	7,721	8,899	7,285	8,401	7,465
Georgia	11,624	12,062	10,974	10,558	10,980	12,284
Hawaii	39	47	50	46	46	47
Idaho ^a	2,150	2,093	2,413	2,410	2,499	2,621
Illinois	19,383	20,406	19,905	18,238	19,913	22,192
Indiana	17,971	20,171	17,553	18,369	18,831	19,456
Iowa	6,851	6,581	6,489	6,609	7,438	7,686
Kansas	9,411	9,981	8,578	6,296	5,462	7,140
Kentucky	7,074	6,597	6,740	6,460	6,629	9,901
Louisiana	64,053	63,932	57,420	52,645	56,496	60,402
Maine	891	696	552	616	1,248	874
Maryland	1,999	2,437	2,204	2,312	2,019	2,053
Massachusetts	5,547	6,996	5,613	5,213	6,935	8,282
Michigan	14,431	15,664	16,261	15,259	16,237	20,175
Minnesota	7,926	7,182	6,202	6,045	6,052	7,676
Mississippi	8,097	7,984	7,703	7,961	8,233	8,347
Missouri	4,386	4,809	4,772	4,386	4,509	5,511
Montana	1,241	1,337	1,497	1,230	1,230	1,871
Nebraska	3,414	3,782	5,283	2,637	2,646	3,230
Nevada	858	910	894	751	838	974
New Hampshire	582	503	724	734	618	660
New Jersey	6,221	6,928	6,881	7,031	6,581	7,686
New Mexico	2,859	3,112	2,759	2,584	2,771	4,427
New York	6,076	5,925	6,233	6,030	6,281	7,788
North Carolina	7,421	7,331	6,810	7,048	6,904	5,882
North Dakota	1,359	1,795	814	2,011	1,852	2,195
Ohio	20,131	18,988	19,102	19,800	20,780	23,575
Oklahoma	13,859	12,651	10,968	11,101	12,870	13,134
Oregon	5,088	4,832	5,270	5,463	5,721	5,886
Pennsylvania	16,432	15,092	13,764	13,093	15,205	16,607
Rhode Island	550	565	553	474	443	437
South Carolina	6,839	7,082	6,665	6,245	6,015	6,138
South Dakota	287	259	260	253	329	370
Tennessee	8,227	9,419	8,749	8,385	8,891	10,930
Texas	160,683	166,397	172,719	160,148	178,643	187,799
Utah	2,711	2,349	2,624	2,848	2,945	2,978
Vermont	200	179	162	173	207	239
Virginia	4,911	5,204	6,230	3,437	5,348	4,388
Washington	5,556	5,485	5,656	5,674	6,209	5,803
West Virginia	3,571	3,035	3,258	2,959	3,050	3,293
Wisconsin	8,612	8,152	7,587	7,958	8,593	10,572
Wyoming	2,933	2,897	2,792	2,914	2,843	3,074
Total	580,624	592,290	572,004	538,937	579,475	622,938

^a Small volumes of natural gas representing onsystem sales to industrial consumers in Idaho are included in the annual total but not in monthly components.

^{NA} Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia.

See Appendix A, Explanatory Note 7 for discussion of computations and revision policy.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 18. Natural Gas Deliveries to Electric Power Consumers, by State, 2001-2003
(Million Cubic Feet)

State	2003	2002				
	January	Total	December	November	October	September
Alabama	9,717	112,743	5,487	5,378	7,052	12,519
Alaska	3,365	32,947	3,093	2,568	2,885	2,705
Arizona	2,497	125,086	8,320	8,163	14,743	13,357
Arkansas	2,366	39,750	1,275	665	3,637	5,298
California	52,248	697,915	54,851	50,415	55,605	72,884
Colorado	5,206	76,403	5,475	5,311	7,038	6,309
Connecticut	2,509	65,079	4,228	4,166	4,689	7,284
Delaware	456	17,463	332	271	1,253	1,935
District of Columbia	0	0	0	0	0	0
Florida	30,425	519,545	30,686	35,129	52,195	53,296
Georgia	3,127	51,468	1,358	390	4,150	7,037
Hawaii	0	0	0	0	0	0
Idaho	150	2,844	149	123	208	195
Illinois	3,048	86,641	1,354	985	6,677	6,935
Indiana	1,459	32,618	1,875	1,938	1,829	2,995
Iowa	277	7,014	416	460	373	734
Kansas	827	23,126	536	671	851	2,329
Kentucky	627	12,006	251	260	296	1,184
Louisiana	17,244	285,001	13,737	14,620	21,860	28,304
Maine	6,632	78,006	6,370	6,412	6,223	6,824
Maryland	662	22,545	980	814	1,174	3,005
Massachusetts	9,128	126,794	12,194	10,418	10,935	13,438
Michigan	11,477	146,479	9,390	7,393	9,824	13,066
Minnesota	1,129	14,069	527	498	816	1,399
Mississippi	12,494	199,055	9,547	8,044	10,899	17,581
Missouri	1,589	29,449	371	529	510	3,185
Montana	7	132	5	2	2	12
Nebraska	125	5,299	133	159	408	579
Nevada	7,294	109,577	8,707	9,317	9,859	10,763
New Hampshire	0	1,096	103	0	194	219
New Jersey	8,552	151,392	9,475	9,192	11,492	14,861
New Mexico	2,197	39,029	2,393	2,397	3,052	3,287
New York	19,004	365,925	21,149	21,843	30,475	37,561
North Carolina	3,107	46,304	1,613	748	2,450	4,741
North Dakota	0	1	0	0	0	0
Ohio	552	22,302	489	471	1,123	3,235
Oklahoma	10,705	179,982	7,542	6,714	11,695	19,817
Oregon	7,847	55,449	5,285	5,065	5,595	5,621
Pennsylvania	1,597	49,933	2,294	2,544	3,879	5,629
Rhode Island	4,367	53,166	5,121	4,975	3,985	4,320
South Carolina	2,639	36,774	278	382	1,100	2,794
South Dakota	27	1,273	25	12	27	148
Tennessee	983	2,714	340	99	14	93
Texas	108,101	1,518,238	93,261	100,883	116,315	145,049
Utah	865	12,861	551	593	1,653	1,738
Vermont	1	37	3	4	4	3
Virginia	3,374	34,104	2,088	851	1,742	3,921
Washington	4,943	37,809	4,859	3,782	3,976	3,887
West Virginia	67	1,691	45	73	81	139
Wisconsin	1,686	20,527	1,339	1,033	960	2,357
Wyoming	358	3,672	320	217	498	576
Total	367,051	5,553,331	340,220	336,977	436,300	555,149

See footnotes at end of table.

Table 18. Natural Gas Deliveries to Electric Power Consumers, by State, 2001-2003
(Million Cubic Feet) — Continued

State	2002					
	August	July	June	May	April	March
Alabama	15,885	15,223	11,856	7,444	7,357	7,172
Alaska	2,813	3,280	2,656	2,433	2,582	2,647
Arizona	13,599	15,063	11,792	9,164	7,599	9,057
Arkansas	6,382	6,941	5,323	2,261	2,606	1,929
California	76,871	88,017	62,134	42,999	41,654	58,696
Colorado	7,563	8,948	7,234	5,949	6,330	6,729
Connecticut	8,304	7,984	5,562	5,829	3,923	4,705
Delaware	2,216	4,884	1,321	1,021	1,071	1,230
District of Columbia	0	0	0	0	0	0
Florida	57,978	55,523	50,993	45,252	41,671	35,080
Georgia	10,312	10,722	7,282	3,402	3,425	998
Hawaii	0	0	0	0	0	0
Idaho	276	478	261	161	133	512
Illinois	15,490	23,821	9,972	3,973	7,098	4,977
Indiana	3,835	6,233	3,297	1,241	2,807	2,085
Iowa	804	1,228	738	486	499	576
Kansas	4,354	5,807	3,208	1,290	946	1,426
Kentucky	1,771	3,828	1,994	546	587	672
Louisiana	33,906	35,007	30,062	26,215	25,387	22,004
Maine	7,254	6,938	5,865	6,392	5,288	6,856
Maryland	6,428	4,131	1,980	892	1,303	665
Massachusetts	12,072	11,578	8,981	11,325	8,016	10,411
Michigan	18,597	20,972	12,953	9,704	10,837	12,064
Minnesota	1,894	3,470	1,438	651	635	1,109
Mississippi	23,140	27,029	20,812	15,010	16,268	16,907
Missouri	5,177	6,733	3,418	1,489	2,494	2,064
Montana	22	31	36	13	2	2
Nebraska	946	1,395	660	294	273	87
Nevada	11,631	10,965	9,532	7,672	5,974	8,650
New Hampshire	311	79	108	39	11	1
New Jersey	22,333	23,319	15,156	8,301	9,758	9,297
New Mexico	4,566	5,764	3,937	3,346	2,807	2,807
New York	49,622	48,357	34,418	24,300	24,157	24,827
North Carolina	9,248	9,305	5,510	2,801	3,233	2,769
North Dakota	0	0	0	0	0	0
Ohio	4,315	6,384	2,436	701	1,365	695
Oklahoma	27,488	23,739	18,044	12,911	15,161	12,867
Oregon	4,908	2,114	3,100	2,078	2,361	6,231
Pennsylvania	9,187	8,349	6,030	2,335	1,932	3,474
Rhode Island	4,444	4,617	4,095	3,920	3,575	3,904
South Carolina	6,601	7,031	4,922	4,534	2,914	1,252
South Dakota	55	480	182	58	62	61
Tennessee	657	739	277	58	233	172
Texas	183,624	185,044	154,070	125,671	116,081	104,248
Utah	1,528	1,251	1,028	1,386	882	752
Vermont	3	4	3	3	2	2
Virginia	6,407	6,447	3,448	2,023	2,815	1,007
Washington	3,166	1,729	855	1,115	2,000	4,770
West Virginia	263	219	229	99	252	164
Wisconsin	2,123	3,795	1,882	1,214	1,982	1,506
Wyoming	295	317	230	217	231	340
Total	690,663	725,315	541,320	410,216	398,579	400,455

See footnotes at end of table.

Table 18. Natural Gas Deliveries to Electric Power Consumers, by State, 2001-2003
(Million Cubic Feet) — Continued

State	2002		2001			
	February	January	Total	December	November	October
Alabama	8,131	9,236	68,868	6,324	7,007	7,473
Alaska	2,414	2,872	32,588	3,235	2,986	2,865
Arizona	7,852	6,375	129,086	8,910	6,853	9,808
Arkansas	1,853	1,580	26,096	1,253	2,200	2,845
California	43,011	50,777	973,509	61,775	59,363	75,461
Colorado	4,370	5,148	85,999	6,628	5,557	8,075
Connecticut	3,979	4,425	32,161	3,798	2,279	4,880
Delaware	1,127	802	15,129	443	1,094	2,483
District of Columbia	0	0	0	0	0	0
Florida	27,229	34,513	374,311	34,168	29,384	40,435
Georgia	1,098	1,295	34,700	356	340	1,790
Hawaii	0	0	0	0	0	0
Idaho	171	177	10,479	1,667	2,331	1,871
Illinois	3,053	2,305	46,806	2,328	2,025	4,679
Indiana	2,727	1,755	17,777	869	1,088	600
Iowa	304	395	5,754	279	247	259
Kansas	632	1,076	23,267	863	1,096	1,137
Kentucky	412	204	4,433	302	178	267
Louisiana	17,388	16,511	243,017	11,549	10,270	19,391
Maine	6,470	7,113	80,044	7,964	8,167	7,534
Maryland	542	631	17,521	698	525	1,555
Massachusetts	7,670	9,756	96,294	9,281	8,428	10,562
Michigan	10,334	11,344	133,054	11,972	11,915	14,520
Minnesota	860	774	10,688	547	471	876
Mississippi	16,880	16,938	149,434	14,943	12,944	19,065
Missouri	1,595	1,885	32,805	1,864	1,841	2,000
Montana	2	3	161	2	2	3
Nebraska	109	256	4,290	256	250	252
Nevada	7,816	8,690	108,510	7,837	7,698	9,264
New Hampshire	12	18	527	29	0	292
New Jersey	8,262	9,946	128,378	8,681	9,013	12,925
New Mexico	2,315	2,359	48,981	1,876	2,839	3,303
New York	23,694	25,523	357,439	29,115	26,679	35,313
North Carolina	2,024	1,861	^R 12,265	201	189	903
North Dakota	0	0	3	0	0	0
Ohio	794	297	10,546	191	404	354
Oklahoma	14,104	9,901	173,893	10,238	10,276	14,051
Oregon	5,754	7,338	82,542	7,527	6,832	8,062
Pennsylvania	2,173	2,105	22,682	2,678	2,586	2,736
Rhode Island	4,458	5,753	58,417	5,797	4,362	5,793
South Carolina	2,013	2,953	10,944	534	477	1,337
South Dakota	145	18	4,496	70	29	61
Tennessee	34	0	2,479	0	0	0
Texas	90,305	103,687	1,506,112	91,523	91,505	118,063
Utah	452	1,047	15,141	785	636	863
Vermont	3	4	116	3	3	3
Virginia	1,177	2,178	33,124	1,773	2,547	4,013
Washington	3,814	3,857	86,184	4,358	4,277	5,763
West Virginia	50	76	2,620	41	165	148
Wisconsin	1,208	1,128	22,358	1,291	1,028	1,882
Wyoming	214	217	2,727	224	193	196
Total	341,035	377,103	5,342,734	367,046	350,573	466,123

See footnotes at end of table.

Table 18. Natural Gas Deliveries to Electric Power Consumers, by State, 2001-2003
(Million Cubic Feet) — Continued

State	2001					
	September	August	July	June	May	April
Alabama	7,157	8,892	8,348	6,493	4,651	3,342
Alaska	2,392	2,574	2,439	2,427	2,255	2,432
Arizona	10,115	12,373	13,636	12,611	14,944	11,729
Arkansas	2,798	4,318	3,790	1,403	1,753	2,511
California	83,693	100,027	92,732	84,269	83,718	80,737
Colorado	6,700	8,003	8,216	7,185	6,878	7,509
Connecticut	5,913	4,089	2,476	1,891	1,179	614
Delaware	2,998	2,856	1,474	1,358	959	89
District of Columbia	0	0	0	0	0	0
Florida	42,864	41,538	40,418	35,294	29,161	26,673
Georgia	4,279	9,161	7,685	4,295	2,638	2,691
Hawaii	0	0	0	0	0	0
Idaho	1,572	1,309	824	207	212	144
Illinois	2,677	11,093	8,474	3,757	4,004	2,161
Indiana	1,339	4,027	2,926	1,818	753	1,087
Iowa	449	1,278	1,124	479	534	365
Kansas	1,476	5,034	7,234	1,864	1,178	922
Kentucky	426	1,078	872	388	324	241
Louisiana	25,901	38,346	32,832	21,707	20,692	21,746
Maine	7,828	8,230	7,517	6,254	6,364	4,579
Maryland	2,319	4,377	2,607	1,330	1,063	862
Massachusetts	11,686	11,433	8,716	8,389	6,846	4,553
Michigan	11,276	17,622	15,513	9,902	7,748	6,900
Minnesota	516	2,038	1,956	797	874	795
Mississippi	18,784	21,933	21,171	10,567	10,365	9,786
Missouri	2,925	7,272	6,959	3,045	2,151	2,191
Montana	5	48	62	20	9	2
Nebraska	185	701	1,201	422	302	310
Nevada	8,520	10,878	9,156	8,399	8,715	6,926
New Hampshire	185	20	0	0	0	0
New Jersey	11,986	18,799	13,532	13,768	9,177	8,697
New Mexico	3,897	5,171	5,860	5,258	4,877	5,084
New York	39,724	52,228	41,804	36,708	27,913	17,687
North Carolina	1,055	4,815	2,770	1,733	360	220
North Dakota	0	0	0	0	1	0
Ohio	627	2,890	2,372	923	1,060	602
Oklahoma	17,639	26,402	29,681	16,765	12,484	10,427
Oregon	7,952	8,791	6,621	6,550	5,456	5,695
Pennsylvania	2,968	3,432	2,267	1,776	1,113	776
Rhode Island	5,945	6,056	5,482	4,790	5,102	3,613
South Carolina	602	2,993	1,906	1,430	371	362
South Dakota	211	666	711	455	652	632
Tennessee	48	868	1,011	313	169	68
Texas	135,134	191,478	190,037	151,710	131,842	115,391
Utah	1,280	1,271	1,250	1,475	1,601	1,594
Vermont	2	2	3	3	54	2
Virginia	5,832	6,360	4,493	3,119	924	1,113
Washington	5,871	7,236	8,652	7,013	8,961	9,179
West Virginia	138	1,238	598	47	95	50
Wisconsin	2,064	4,156	3,847	1,751	1,005	808
Wyoming	173	186	228	162	256	384
Total	510,303	686,813	634,477	492,856	433,960	384,524

^R Revised Data.

Notes: Geographic coverage is the 50 States and the District of Columbia. See Appendix A, Explanatory Note 7 for discussion of computation and

revision policy.

Source: Form EIA-906, "Power Plant Report."

Table 19. Natural Gas Deliveries to All Consumers, by State, 2001-2003
(Million Cubic Feet)

State	2003	2002				
	January	Total	December	November	October	September
Alabama	39,207	NA	R30,557	R22,700	R22,814	R27,565
Alaska	12,083	NA	R11,842	R10,432	R10,923	R9,896
Arizona	15,000	NA	R17,855	NA	R19,505	R17,504
Arkansas	NA	NA	NA	NA	NA	NA
California	NA	NA	NA	R148,471	R173,962	R174,402
Colorado	NA	NA	NA	NA	NA	NA
Connecticut	19,791	NA	R19,356	R15,404	R11,469	R12,152
Delaware	NA	NA	NA	NA	NA	NA
District of Columbia	5,963	NA	NA	3,847	2,166	1,190
Florida	NA	R682,546	R45,449	R47,955	R64,781	R65,361
Georgia	56,016	R374,690	R47,491	R32,933	R24,359	R24,351
Hawaii	251	2,734	236	227	215	224
Idaho	7,486	NA	R7,000	R5,945	R4,159	R3,313
Illinois	167,744	NA	R131,534	R100,701	R74,222	R43,246
Indiana	81,500	NA	R67,310	R49,031	R36,740	R27,853
Iowa	31,082	R215,148	R27,101	R22,082	R14,427	R10,475
Kansas	33,725	NA	R26,521	R22,126	R13,411	R16,192
Kentucky	34,722	R208,173	R28,719	R20,874	R14,464	R10,919
Louisiana	NA	NA	NA	NA	NA	NA
Maine	7,979	NA	NA	NA	NA	R7,431
Maryland	31,809	NA	NA	NA	R13,028	R10,526
Massachusetts	NA	NA	NA	NA	NA	NA
Michigan	140,437	R921,059	R113,354	R81,526	R52,972	R40,416
Minnesota	53,920	NA	R44,554	R36,880	R27,027	R15,053
Mississippi	32,364	NA	R26,363	NA	R21,949	R27,332
Missouri	42,508	R277,869	R33,208	R23,235	R14,378	R11,933
Montana	6,612	NA	NA	R5,846	R4,232	R2,657
Nebraska	15,506	R116,346	R13,059	R9,586	R6,146	R6,818
Nevada	16,595	R175,652	R16,547	R14,856	R13,809	R13,996
New Hampshire	NA	NA	NA	R2,091	NA	NA
New Jersey	87,100	NA	NA	R51,661	R36,862	R34,370
New Mexico	NA	R117,358	R11,854	R9,107	R6,955	R6,530
New York	132,024	NA	R127,188	NA	R82,724	NA
North Carolina	NA	R244,399	R27,643	R19,524	R15,550	R15,156
North Dakota	5,456	NA	4,302	3,512	3,093	1,553
Ohio	135,497	R795,973	R107,541	R75,823	R50,959	R33,385
Oklahoma	40,852	R399,525	R31,973	R25,060	R24,395	R31,439
Oregon	23,505	R194,884	R19,937	R16,690	R14,126	R13,141
Pennsylvania	NA	R633,404	R84,679	R59,109	R40,899	R30,450
Rhode Island	NA	NA	NA	R8,163	R5,503	R5,410
South Carolina	NA	R183,532	R16,496	R12,476	R11,018	R11,703
South Dakota	NA	R28,974	3,598	3,230	R2,114	1,017
Tennessee	40,965	NA	R31,321	R20,128	R13,407	R11,168
Texas	329,281	NA	R277,711	NA	R264,433	R296,066
Utah	15,888	R132,538	R15,752	R13,333	R10,897	R7,123
Vermont	1,148	8,281	999	797	478	341
Virginia	40,052	NA	R32,253	NA	NA	R14,745
Washington	26,698	R232,413	R25,662	R21,060	R15,396	R12,849
West Virginia	NA	R102,155	R13,466	R10,456	R6,705	R4,744
Wisconsin	61,826	R388,006	R50,255	R42,823	R30,210	R17,761
Wyoming	NA	NA	R7,532	R6,844	R5,936	R4,462
Total	2,445,360	R20,753,460	R2,134,609	R1,712,450	R1,475,911	R1,374,112

See footnotes at end of table.

Table 19. Natural Gas Deliveries to All Consumers, by State, 2001-2003

(Million Cubic Feet) — Continued

State	2002					
	August	July	June	May	April	March
Alabama	NA	^R 29,978	^R 27,482	^R 23,870	^R 26,183	^R 31,929
Alaska	^R 10,199	^R 11,446	NA	NA	^R 10,482	^R 11,259
Arizona	^R 17,696	^R 19,311	^R 16,485	^R 14,438	^R 14,248	NA
Arkansas	NA	NA	NA	NA	NA	NA
California	^R 184,580	^R 193,302	^R 160,625	^R 153,357	^R 159,717	^R 200,926
Colorado	NA	NA	NA	NA	NA	NA
Connecticut	^R 13,276	^R 13,054	^R 10,956	^R 12,520	NA	NA
Delaware	^R 4,322	^R 6,834	^R 3,016	^R 3,114	^R 4,231	^R 5,296
District of Columbia	1,152	1,137	1,143	1,528	2,045	3,678
Florida	^R 70,196	^R 67,594	^R 62,626	^R 58,344	^R 56,644	^R 50,985
Georgia	^R 28,596	^R 28,280	^R 24,678	^R 23,087	^R 23,931	^R 33,486
Hawaii	222	239	224	226	234	225
Idaho	NA	NA	^R 3,584	^R 4,567	^R 5,692	^R 7,960
Illinois	^R 50,730	NA	^R 49,236	^R 61,100	^R 93,385	^R 124,409
Indiana	NA	^R 30,217	^R 27,276	^R 32,202	^R 44,407	^R 58,059
Iowa	^R 9,963	^R 9,817	^R 10,114	^R 13,401	^R 18,695	^R 25,611
Kansas	NA	^R 17,992	^R 14,103	^R 13,865	^R 17,372	^R 25,482
Kentucky	^R 10,505	^R 12,871	^R 11,299	^R 12,182	^R 14,375	^R 22,940
Louisiana	NA	NA	NA	NA	NA	NA
Maine	NA	NA	NA	NA	NA	^R 7,776
Maryland	NA	^R 10,449	^R 9,108	^R 8,925	^R 12,628	^R 20,782
Massachusetts	NA	NA	NA	NA	NA	NA
Michigan	^R 47,177	^R 52,007	^R 52,426	^R 63,615	^R 86,554	^R 103,592
Minnesota	NA	^R 16,535	^R 15,069	^R 21,577	^R 28,735	NA
Mississippi	^R 33,147	^R 37,557	^R 31,012	^R 25,350	^R 28,352	^R 32,928
Missouri	^R 13,689	^R 15,546	^R 13,273	^R 16,373	^R 24,540	^R 34,810
Montana	^R 2,253	^R 2,221	^R 2,913	^R 4,023	NA	^R 7,167
Nebraska	^R 7,520	^R 8,910	^R 4,960	^R 6,627	^R 10,315	^R 12,693
Nevada	^R 14,624	^R 14,039	^R 13,071	^R 11,819	^R 11,155	^R 15,996
New Hampshire	NA	NA	NA	^R 1,863	^R 2,201	^R 2,946
New Jersey	NA	NA	^R 34,205	^R 35,689	^R 46,321	^R 58,180
New Mexico	^R 7,763	^R 9,050	^R 7,646	^R 7,782	^R 9,599	^R 12,946
New York	^R 97,898	^R 90,268	^R 84,777	^R 84,003	^R 104,242	^R 124,131
North Carolina	^R 19,403	^R 18,922	^R 16,135	^R 14,532	^R 18,048	^R 24,435
North Dakota	NA	1,479	NA	2,428	3,079	NA
Ohio	^R 35,946	^R 39,198	^R 38,957	^R 50,799	^R 68,097	^R 93,556
Oklahoma	^R 39,728	^R 35,909	^R 29,123	^R 26,221	^R 34,351	^R 38,577
Oregon	^R 12,368	^R 9,540	^R 11,526	^R 12,786	^R 14,670	^R 21,361
Pennsylvania	^R 33,560	^R 32,456	^R 33,661	^R 38,720	^R 54,032	^R 71,654
Rhode Island	^R 5,600	^R 5,687	^R 5,628	^R 6,234	^R 6,797	NA
South Carolina	^R 15,871	^R 16,345	^R 15,029	^R 14,946	^R 14,556	^R 16,619
South Dakota	890	^R 1,399	1,159	1,634	2,602	3,902
Tennessee	^R 12,627	^R 12,436	NA	^R 13,905	^R 19,739	^R 27,347
Texas	^R 348,012	^R 357,720	^R 334,502	^R 300,200	^R 320,744	^R 301,308
Utah	^R 5,979	^R 5,589	^R 5,523	^R 7,465	^R 8,370	^R 15,015
Vermont	329	324	422	569	804	954
Virginia	^R 18,113	^R 18,050	^R 15,150	^R 14,749	^R 17,069	^R 22,773
Washington	^R 11,725	^R 10,549	^R 11,958	^R 15,835	^R 21,072	^R 27,499
West Virginia	^R 5,260	^R 4,991	^R 5,298	^R 6,969	^R 8,694	^R 11,751
Wisconsin	^R 16,364	^R 16,913	^R 16,314	^R 24,361	^R 31,852	^R 48,191
Wyoming	^R 4,039	NA	^R 4,289	^R 5,395	NA	NA
Total	^R1,531,752	^R1,570,291	^R1,420,712	^R1,442,621	^R1,695,664	^R2,066,292

See footnotes at end of table.

Table 19. Natural Gas Deliveries to All Consumers, by State, 2001-2003

(Million Cubic Feet) — Continued

State	2002		2001			
	February	January	Total	December	November	October
Alabama	R33,273	R36,232	R299,529	R25,740	R23,645	R24,185
Alaska	R11,497	R12,702	R132,428	R13,523	R11,926	R11,290
Arizona	R19,930	R19,942	R218,484	R19,526	R12,349	R14,282
Arkansas	R26,356	R24,951	R217,640	R22,233	R19,675	R18,239
California	R181,502	R219,717	R2,398,461	R213,731	R174,852	R184,135
Colorado	NA	NA	R332,075	R36,430	R23,228	R17,910
Connecticut	NA	R19,376	R143,183	R15,375	R12,339	R11,368
Delaware	R5,320	R5,804	R50,044	R3,419	R3,908	R5,078
District of Columbia	4,192	4,776	R29,493	R2,737	R2,088	R1,231
Florida	R41,980	R50,631	R533,855	R47,598	R42,205	R52,955
Georgia	R39,523	R43,977	R343,212	R34,451	R23,984	R25,681
Hawaii	226	236	2,818	225	217	220
Idaho	R8,660	R8,836	R73,655	R8,984	R7,528	R5,611
Illinois	R119,301	R131,204	R940,403	R115,418	R74,519	R67,168
Indiana	R58,667	R65,424	R494,360	R51,997	R39,146	R34,650
Iowa	R24,856	R28,605	R215,309	R23,400	R16,864	R14,475
Kansas	R24,967	R29,140	R224,347	R20,634	R14,263	R11,363
Kentucky	R24,179	R24,845	R191,531	R23,216	R16,271	R12,591
Louisiana	R88,997	R94,221	R1,067,867	R92,641	R85,017	R92,077
Maine	R7,309	R7,992	R94,569	R9,127	R9,644	R8,864
Maryland	R22,893	R24,319	R181,626	R17,772	R13,988	R13,035
Massachusetts	NA	R43,883	R345,791	R31,456	R24,646	R24,627
Michigan	R108,258	R119,161	R874,325	R92,054	R71,352	R59,283
Minnesota	R36,109	R42,111	R321,875	R38,521	R25,780	R22,592
Mississippi	R31,923	R34,832	R298,263	R28,355	R24,652	R28,525
Missouri	R36,000	R40,884	R281,763	R29,876	R18,230	R13,682
Montana	R6,773	R7,648	R54,476	R6,696	R5,081	R3,446
Nebraska	R13,835	R15,877	R118,890	R11,012	R10,730	R5,854
Nevada	R17,060	R18,682	R175,505	R17,842	R12,525	R12,854
New Hampshire	R2,984	R3,058	R23,373	R2,520	R1,904	R1,589
New Jersey	R65,385	R73,028	R560,887	R54,229	R42,514	R36,818
New Mexico	R14,126	R14,002	R146,581	R13,069	R9,364	R8,499
New York	R127,089	R133,719	R1,165,279	R117,809	R85,604	R85,322
North Carolina	R26,037	R29,015	R196,507	R19,179	R15,898	R14,792
North Dakota	3,946	5,001	R38,787	R4,459	R3,065	R3,013
Ohio	R97,192	R104,521	R784,974	R86,903	R59,755	R48,346
Oklahoma	R41,877	R40,872	R441,965	R37,151	R30,479	R33,244
Oregon	R22,285	R26,454	R218,457	R22,088	R18,230	R16,813
Pennsylvania	R72,729	R81,455	R595,675	R63,086	R46,617	R38,461
Rhode Island	R8,949	R10,617	R95,288	R9,231	R6,918	R7,652
South Carolina	R17,888	R20,585	R138,846	R12,725	R11,334	R11,870
South Dakota	3,497	3,932	R30,753	R3,617	R2,126	R1,661
Tennessee	R31,383	R36,423	R242,044	R23,233	R19,007	R16,132
Texas	R276,497	R325,721	R3,985,395	R306,415	R283,703	R303,798
Utah	R17,435	R20,057	R134,650	R18,505	R11,646	R9,189
Vermont	1,143	1,120	R7,905	R827	R658	R438
Virginia	R26,593	R31,232	R228,413	R23,733	R21,748	R14,257
Washington	R28,051	R30,757	R303,411	R37,503	R30,230	R23,585
West Virginia	R11,332	R12,488	R103,414	R11,602	R9,287	R8,401
Wisconsin	R43,495	R49,468	R356,712	R41,411	R26,978	R25,355
Wyoming	R5,991	R8,500	R60,375	R6,170	R5,518	R4,790
Total	R2,040,841	R2,288,205	R20,533,988	R1,970,692	R1,564,429	R1,512,641

See footnotes at end of table.

Table 19. Natural Gas Deliveries to All Consumers, by State, 2001-2003
(Million Cubic Feet) — Continued

State	2001					
	September	August	July	June	May	April
Alabama	R21,618	R23,487	R22,536	R21,009	R21,026	R23,712
Alaska	R9,784	R10,185	R9,860	R8,588	R9,618	R10,557
Arizona	R14,492	R16,919	R18,312	R17,703	R21,113	R19,153
Arkansas	R15,014	R16,061	R14,779	R12,558	R13,819	R16,528
California	R185,179	R204,903	R186,862	R174,856	R182,615	R198,817
Colorado	R15,012	R16,484	R17,335	R18,340	R24,101	R32,538
Connecticut	R11,297	R9,028	R7,468	R7,760	R7,218	R10,647
Delaware	R4,923	R4,609	R3,324	R3,276	R2,924	R3,439
District of Columbia	R1,087	R905	R1,226	R1,252	R1,654	R3,185
Florida	R55,306	R53,352	R53,430	R46,947	R42,466	R39,708
Georgia	R21,860	R26,870	R24,234	R20,547	R20,635	R25,370
Hawaii	226	227	242	244	237	243
Idaho	R4,609	R4,145	R4,106	R3,728	R4,539	R5,799
Illinois	R41,870	R46,778	R44,464	R39,616	R46,114	R62,934
Indiana	R25,697	R29,184	R25,473	R26,685	R27,762	R37,045
Iowa	R10,493	R10,177	R10,248	R10,449	R12,430	R17,172
Kansas	R13,390	R17,932	R18,840	R11,154	R10,542	R16,897
Kentucky	R10,024	R9,881	R9,668	R8,890	R9,527	R14,953
Louisiana	R93,089	R105,470	R93,711	R77,684	R81,012	R87,354
Maine	R8,835	R9,020	R8,161	R6,957	R7,780	R5,791
Maryland	R9,245	R11,155	R9,190	R8,513	R9,494	R14,442
Massachusetts	R22,753	R23,154	R19,305	R19,798	R23,495	R30,815
Michigan	R40,141	R44,576	R43,844	R41,686	R48,706	R76,190
Minnesota	R14,708	R14,867	R13,688	R13,529	R15,951	R25,547
Mississippi	R28,537	R31,715	R30,696	R20,347	R20,948	R21,738
Missouri	R12,056	R16,218	R16,175	R12,679	R13,209	R22,717
Montana	R2,135	R2,152	R2,359	R2,439	R3,055	R5,036
Nebraska	R5,506	R6,368	R8,556	R5,429	R7,094	R11,129
Nevada	R12,067	R14,023	R12,329	R11,650	R12,723	R12,312
New Hampshire	R1,182	R888	R1,003	R1,134	R1,441	R2,280
New Jersey	R28,920	R34,887	R30,209	R31,326	R32,539	R50,558
New Mexico	R8,665	R10,112	R10,456	R9,967	R11,120	R15,733
New York	R84,793	R95,156	R82,952	R78,248	R75,089	R87,192
North Carolina	R11,188	R14,539	R12,235	R11,446	R11,327	R14,345
North Dakota	R1,944	R2,387	R1,360	R2,533	R2,613	R3,807
Ohio	R32,984	R32,526	R33,887	R34,719	R41,388	R66,347
Oklahoma	R34,531	R42,021	R43,972	R31,080	R29,502	R32,430
Oregon	R15,095	R15,534	R14,028	R14,882	R15,814	R18,215
Pennsylvania	R29,504	R27,667	R25,212	R26,102	R33,096	R52,996
Rhode Island	R7,493	R7,536	R6,971	R6,419	R7,317	R7,566
South Carolina	R9,077	R11,625	R10,138	R9,367	R8,683	R10,957
South Dakota	R1,058	1,496	R1,492	R1,381	R1,940	R2,845
Tennessee	R11,567	R13,228	R12,965	R12,056	R13,396	R21,047
Texas	R310,077	R375,467	R378,550	R328,622	R329,956	R331,756
Utah	R6,572	R6,023	R6,214	R7,056	R7,791	R11,173
Vermont	R361	R307	R304	R381	544	R834
Virginia	R15,146	R15,873	R14,867	R10,938	R11,714	R15,728
Washington	R15,156	R16,331	R18,405	R18,398	R23,913	R27,189
West Virginia	R5,703	R5,820	R5,050	R4,688	R5,380	R9,393
Wisconsin	R16,713	R16,533	R16,475	R15,419	R17,236	R24,967
Wyoming	R3,688	R3,541	R3,515	R3,864	R4,182	R5,505
Total	R1,363,740	R1,531,802	R1,462,913	R1,316,066	R1,389,238	R1,666,070

^R Revised Data.

NA Not Available.

Notes: Geographic coverage is the 50 States and the District of Columbia. Gas volumes delivered for use as vehicle fuel are included in the annual total for commercial deliveries but not in the monthly components. See

Appendix A, Explanatory Note 7 for discussion of computations and revision policy.

Sources: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" and Form EIA-906, "Power Plant Report."

Table 20. Average City Gate Price, by State, 2001-2003

(Dollars per Thousand Cubic Feet)

State	2003	2002						
	January	Total	December	November	October	September	August	July
Alabama	4.66	4.74	4.57	4.97	5.05	4.69	4.81	5.18
Alaska	2.35	NA	2.44	NA	2.27	2.39	NA	2.38
Arizona	4.32	3.79	4.12	3.92	3.77	4.32	4.26	4.16
Arkansas	NA	NA	NA	NA	NA	NA	NA	NA
California	NA	NA	NA	4.04	3.35	2.86	2.82	3.10
Colorado	3.62	2.67	3.28	3.01	2.08	1.70	1.59	1.95
Connecticut	7.33	NA	6.55	6.48	6.32	NA	6.54	7.17
Delaware	5.11	NA	4.38	NA	8.54	5.32	4.32	5.38
District of Columbia	—	—	—	—	—	—	—	—
Florida	5.49	3.90	4.83	4.74	4.27	3.66	3.47	4.29
Georgia	NA	4.58	5.36	5.67	5.53	5.27	4.85	5.19
Hawaii	7.89	7.17	7.90	8.20	7.78	7.76	7.53	7.66
Idaho	3.29	NA	3.10	3.11	3.43	NA	NA	6.28
Illinois	NA	3.68	3.10	4.51	4.49	4.68	3.30	3.76
Indiana	NA	3.58	4.10	4.31	3.66	2.96	2.29	^R 2.60
Iowa	5.30	4.15	5.11	4.79	4.41	4.17	5.08	5.01
Kansas	5.33	4.11	5.26	5.07	3.89	3.47	3.21	3.63
Kentucky	4.98	4.45	4.72	4.71	4.35	3.91	4.17	3.77
Louisiana	5.51	NA	5.12	NA	^R 4.46	^R 4.37	^R 3.59	^R 3.82
Maine	4.90	4.03	4.56	4.61	3.87	3.15	3.73	3.49
Maryland	5.92	NA	5.47	5.24	5.44	4.43	NA	5.69
Massachusetts	NA	NA	NA	4.61	5.15	6.26	7.38	7.41
Michigan	4.38	4.10	4.18	4.11	3.87	3.96	3.68	3.84
Minnesota	5.09	NA	5.08	4.91	4.08	3.96	NA	3.98
Mississippi	5.24	NA	4.49	NA	4.31	3.92	3.01	3.78
Missouri	4.75	4.56	4.78	4.92	4.89	5.79	5.60	6.43
Montana	4.61	2.98	4.82	3.70	2.86	2.53	2.00	1.75
Nebraska	4.78	4.09	4.88	4.59	4.03	3.98	4.08	4.02
Nevada	4.04	4.39	4.68	4.45	4.33	4.87	5.18	4.61
New Hampshire	NA	NA	NA	3.59	3.97	3.59	3.37	3.50
New Jersey	6.08	NA	NA	5.96	5.98	5.75	^R 5.11	5.65
New Mexico	NA	2.91	4.04	3.58	2.96	2.20	2.57	2.55
New York	4.81	NA	4.50	^R 4.22	4.13	NA	3.10	3.21
North Carolina	5.67	4.52	5.20	5.15	4.86	4.75	4.48	4.54
North Dakota	4.89	NA	5.38	4.42	3.19	3.56	NA	2.42
Ohio	6.01	4.43	5.00	4.84	7.24	4.34	2.48	3.69
Oklahoma	4.84	4.23	4.56	4.79	4.29	4.01	3.34	^R 3.51
Oregon	4.64	NA	4.69	4.76	5.43	NA	NA	NA
Pennsylvania	5.44	NA	5.20	5.12	5.46	NA	4.56	5.88
Rhode Island	4.35	4.79	^R 4.47	5.09	6.02	7.01	5.03	5.99
South Carolina	5.72	4.91	4.89	4.96	5.21	5.19	5.03	5.11
South Dakota	5.03	4.21	5.13	4.23	3.32	3.71	4.25	3.97
Tennessee	5.45	4.13	4.80	4.46	4.01	3.69	3.66	3.82
Texas	4.90	NA	4.29	NA	4.35	3.54	3.63	3.44
Utah	4.97	4.07	4.56	3.81	3.53	3.93	2.55	3.48
Vermont	5.43	4.85	4.54	4.30	4.43	5.14	5.53	5.13
Virginia	5.65	NA	5.52	4.73	5.41	5.98	5.00	5.87
Washington	5.22	3.83	4.24	4.45	3.51	3.81	3.80	4.34
West Virginia	NA	4.30	^R 3.89	4.64	4.45	5.84	6.64	6.61
Wisconsin	5.03	4.36	4.90	5.01	4.58	5.59	5.76	5.89
Wyoming	2.47	NA	NA	NA	NA	3.99	3.16	NA
Total	5.01	4.07	4.29	4.58	4.28	4.07	3.61	3.90

See footnotes at end of table.

Table 20. Average City Gate Price, by State, 2001-2003
(Dollars per Thousand Cubic Feet) — Continued

State	2002						2001	
	June	May	April	March	February	January	Total	December
Alabama	5.22	4.89	4.37	4.49	4.80	4.71	^R 6.63	4.99
Alaska	2.31	2.34	2.39	2.41	2.41	2.44	^R 2.32	2.34
Arizona	3.78	3.80	3.70	3.74	3.35	3.41	^R 5.02	^R 3.25
Arkansas	NA	NA	NA	NA	5.72	^R 4.01	^R 6.11	^R 5.67
California	2.98	3.18	3.85	2.76	2.42	2.68	6.64	2.80
Colorado	3.65	2.38	2.87	3.15	2.58	2.64	^R 4.25	2.93
Connecticut	6.97	6.74	NA	5.71	NA	6.72	8.12	5.07
Delaware	NA	5.40	5.80	6.70	4.07	4.47	^R 5.16	4.39
District of Columbia	—	—	—	—	—	—	—	—
Florida	3.78	3.95	4.01	3.51	3.27	3.35	^R 5.28	3.41
Georgia	5.27	6.39	3.70	3.18	4.21	2.44	^R 6.02	3.77
Hawaii	7.62	6.66	6.44	6.03	6.10	6.49	7.86	6.95
Idaho	4.71	3.43	3.36	3.56	3.53	3.77	4.85	3.74
Illinois	3.96	3.53	3.93	3.13	3.16	3.52	^R 5.54	^R 3.48
Indiana	3.80	3.61	3.89	3.37	3.33	3.37	^R 4.50	3.60
Iowa	4.86	4.21	4.03	3.51	3.39	3.46	^R 5.92	^R 2.09
Kansas	4.39	4.26	4.77	3.98	3.80	3.65	^R 6.06	3.92
Kentucky	3.97	4.65	5.47	4.06	4.69	4.08	^R 6.32	4.85
Louisiana	^R 4.10	^R 4.07	^R 3.80	^R 3.23	^R 3.22	3.91	^R 5.55	^R 3.84
Maine	3.76	3.42	3.37	3.99	4.79	4.02	^R 6.82	^R 11.96
Maryland	5.46	5.34	5.30	4.18	4.44	^R 4.06	6.78	4.61
Massachusetts	7.35	5.56	4.23	4.29	4.24	3.80	^R 6.64	^R 4.32
Michigan	3.93	3.94	3.51	4.76	4.45	4.54	^R 4.08	^R 3.54
Minnesota	4.13	3.83	3.54	3.64	3.65	3.42	5.84	4.02
Mississippi	4.18	3.88	4.42	3.62	3.76	4.14	^R 6.00	^R 4.12
Missouri	6.44	5.46	4.94	4.03	3.97	3.65	^R 6.33	3.61
Montana	2.16	2.76	3.05	2.72	2.64	3.09	3.93	^R 2.41
Nebraska	4.17	4.36	4.31	3.63	3.58	3.77	^R 6.23	3.66
Nevada	3.99	3.81	4.35	4.48	4.27	4.20	^R 5.06	4.18
New Hampshire	3.22	3.43	4.37	3.88	3.14	7.84	^R 4.30	4.35
New Jersey	5.90	5.74	4.48	4.97	4.84	4.31	6.41	4.27
New Mexico	2.17	2.42	2.90	2.44	2.23	2.71	3.99	2.41
New York	3.47	3.59	3.57	3.98	3.47	4.19	^R 4.71	^R 3.84
North Carolina	4.92	4.39	4.51	3.81	3.72	4.06	^R 6.74	4.11
North Dakota	3.27	3.63	3.54	3.23	3.26	3.54	^R 4.82	2.51
Ohio	5.29	7.73	6.27	5.17	3.09	3.63	^R 8.25	4.89
Oklahoma	3.48	3.93	4.14	^R 3.79	4.07	^R 3.92	6.48	4.49
Oregon	NA	5.69	5.46	5.17	5.10	4.75	^R 5.04	5.39
Pennsylvania	5.73	5.62	NA	4.91	5.20	4.44	^R 6.68	5.20
Rhode Island	5.82	5.40	5.08	4.18	4.07	^R 4.08	^R 6.40	4.14
South Carolina	5.35	5.35	5.23	4.39	4.30	4.96	^R 6.16	4.95
South Dakota	4.89	4.10	4.98	3.69	4.04	4.10	^R 6.21	^R 2.05
Tennessee	3.83	4.13	3.50	3.78	3.99	4.35	^R 6.11	^R 4.13
Texas	3.69	4.19	4.13	3.29	3.25	3.61	^R 5.13	^R 3.28
Utah	4.00	3.54	3.60	4.18	4.54	4.34	^R 5.61	5.01
Vermont	5.31	4.65	4.81	4.82	5.01	5.32	4.83	5.15
Virginia	6.28	5.62	4.47	3.33	3.99	NA	^R 6.76	^R 4.62
Washington	4.73	4.07	4.28	3.86	4.09	2.24	^R 5.31	3.88
West Virginia	6.66	4.67	4.44	3.85	3.82	^R 3.90	^R 4.88	^R 10.14
Wisconsin	5.65	4.19	4.32	3.47	3.74	3.71	5.90	3.50
Wyoming	2.59	2.62	4.07	^R 3.95	3.98	3.97	^R 6.39	4.44
Total	4.14	4.06	4.16	3.83	3.73	4.03	^R5.72	^R3.90

See footnotes at end of table.

Table 20. Average City Gate Price, by State, 2001-2003

(Dollars per Thousand Cubic Feet) — Continued

State	2001							
	November	October	September	August	July	June	May	April
Alabama	4.99	^R 5.11	5.45	6.02	5.62	6.47	6.98	6.33
Alaska	2.30	2.29	2.25	2.22	1.91	^R 2.53	2.23	^R 2.33
Arizona	^R 4.35	^R 3.48	^R 3.95	4.05	3.68	4.24	4.92	5.22
Arkansas	^R 2.60	^R 4.93	3.93	^R 13.25	^R 9.35	^R 6.34	^R 1.13	^R 5.93
California	3.15	2.38	2.71	2.80	2.92	8.08	7.32	7.52
Colorado	^R 3.05	2.28	^R 2.89	^R 3.18	^R 3.31	3.21	3.94	5.21
Connecticut	6.30	4.23	5.84	8.54	7.96	6.98	8.87	^R 9.93
Delaware	4.05	3.19	3.31	3.77	^R 4.56	4.63	5.15	5.96
District of Columbia	—	—	—	—	—	—	—	—
Florida	3.58	2.69	2.98	^R 3.72	3.98	^R 4.59	^R 5.63	6.50
Georgia	^R 4.28	3.55	3.81	3.92	4.35	^R 6.08	5.77	6.14
Hawaii	7.53	7.42	7.92	7.90	7.92	7.76	7.91	7.57
Idaho	3.85	3.48	3.50	3.12	3.60	4.20	6.00	5.24
Illinois	3.56	2.46	2.60	3.99	^R 3.82	4.56	5.03	6.09
Indiana	3.90	^R 1.96	^R 2.19	3.01	3.08	^R 2.47	^R 4.26	3.36
Iowa	^R 3.60	2.84	^R 3.78	4.26	5.42	5.40	^R 6.54	6.47
Kansas	^R 4.35	^R 3.02	^R 3.40	^R 4.20	^R 4.23	4.84	^R 6.44	6.59
Kentucky	4.82	4.26	2.36	4.51	^R 3.86	^R 6.14	7.18	5.53
Louisiana	^R 4.78	^R 3.15	^R 3.46	^R 3.64	^R 4.21	^R 4.18	^R 5.05	^R 5.88
Maine	^R 7.35	1.48	3.01	6.56	6.61	9.92	11.90	5.84
Maryland	5.47	4.66	4.34	5.00	5.60	6.09	7.56	5.41
Massachusetts	^R 5.81	^R 3.82	^R 6.59	^R 7.09	^R 9.50	^R 6.48	^R 5.77	6.40
Michigan	^R 3.74	3.68	3.86	4.30	4.36	4.46	4.61	4.90
Minnesota	^R 4.73	2.57	^R 3.67	4.08	4.32	4.84	5.51	6.00
Mississippi	^R 4.41	^R 3.37	^R 3.56	^R 5.94	4.32	4.68	^R 5.39	^R 6.32
Missouri	4.67	^R 3.65	^R 5.44	^R 6.07	^R 6.41	6.47	^R 7.60	^R 7.36
Montana	3.12	1.96	2.23	2.58	2.85	2.64	3.85	4.09
Nebraska	^R 4.13	^R 2.84	^R 4.12	4.18	4.31	^R 5.26	6.28	7.20
Nevada	^R 4.98	^R 3.54	4.67	5.22	3.63	3.95	^R 2.35	6.54
New Hampshire	3.26	^R 0.89	^R 1.90	^R 2.10	5.67	3.59	4.75	4.77
New Jersey	5.47	4.18	4.92	5.47	5.81	6.21	7.26	7.43
New Mexico	^R 2.77	2.36	2.07	2.62	2.48	2.80	3.71	4.55
New York	^R 2.22	^R 3.12	^R 3.02	3.64	3.38	^R 3.94	5.22	^R 5.32
North Carolina	^R 4.73	^R 4.63	^R 5.05	5.55	5.96	^R 6.08	7.25	7.20
North Dakota	4.34	2.10	2.86	3.10	^R 0.58	^R 3.60	4.76	5.64
Ohio	^R 5.42	^R 5.58	5.13	^R 7.69	^R 9.43	^R 10.31	^R 6.48	^R 11.54
Oklahoma	5.10	4.95	^R 5.18	5.30	^R 4.10	4.25	4.50	6.76
Oregon	5.41	4.60	^R 5.40	^R 5.12	^R 6.20	4.85	^R 4.66	^R 4.30
Pennsylvania	5.03	^R 5.49	6.32	^R 6.06	^R 6.80	^R 7.19	7.23	^R 6.89
Rhode Island	5.28	6.09	^R 7.66	^R 8.09	^R 7.15	^R 3.96	^R 9.22	^R 8.55
South Carolina	^R 5.03	^R 4.18	^R 4.63	5.01	5.39	5.83	^R 6.84	^R 6.82
South Dakota	3.94	3.25	4.16	4.51	5.04	5.93	7.30	7.50
Tennessee	4.79	3.79	^R 3.70	^R 4.46	^R 4.28	^R 4.78	^R 5.65	^R 5.66
Texas	^R 3.83	^R 2.76	^R 3.04	^R 3.86	^R 1.76	^R 5.04	^R 5.38	^R 5.79
Utah	4.69	4.76	6.65	5.82	5.94	5.48	5.53	5.51
Vermont	3.93	5.06	4.06	4.35	4.14	4.09	4.38	4.70
Virginia	^R 6.18	^R 5.67	5.49	7.43	^R 7.44	7.52	8.13	4.72
Washington	4.09	3.00	^R 3.55	3.50	^R 3.92	4.07	5.41	5.14
West Virginia	^R 4.40	3.95	2.99	4.21	4.53	^R 7.30	^R 5.53	^R 5.97
Wisconsin	4.33	2.85	3.68	5.04	5.17	^R 5.40	5.18	^R 6.40
Wyoming	4.91	4.63	5.35	6.82	^R 6.13	^R 5.42	^R 6.35	6.91
Total	^R4.02	^R3.37	3.66	^R4.32	^R4.03	^R5.38	^R5.77	^R6.30

^R Revised Data.^{NA} Not Available.

— Not Applicable.

Notes: Geographic coverage is the 50 States and the District of Columbia. Prices in this table represent the average price of natural gas by State at the

point where the gas transferred from a pipeline to a local distribution company within the State. See Appendix A, Explanatory Note 9 for discussion of computations and revision policy.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 21. Average Price of Natural Gas Sold to Residential Consumers, by State, 2001-2002

(Dollars per Thousand Cubic Feet)

State	2003	2002						
	January	Total	December	November	October	September	August	July
Alabama	9.40	10.57	9.44	11.47	14.52	14.37	14.52	14.40
Alaska	4.20	NA	4.31	4.26	4.31	4.56	4.94	5.17
Arizona	9.65	12.36	10.42	12.46	15.00	16.03	16.37	16.04
Arkansas	NA	NA	NA	NA	NA	NA	NA	NA
California	NA	NA	NA	7.87	7.50	7.26	7.15	7.20
Colorado	4.57	5.40	4.48	4.64	5.08	7.76	9.31	9.06
Connecticut	11.71	NA	11.10	10.98	11.89	14.52	12.46	15.04
Delaware	8.67	11.05	9.41	10.61	13.72	15.71	15.95	14.97
District of Columbia	11.24	11.19	10.71	11.58	11.77	15.60	11.36	11.55
Florida	13.14	13.91	13.05	15.94	16.89	17.09	16.96	16.53
Georgia	9.31	8.59	8.81	9.68	12.88	12.38	12.73	12.38
Hawaii	23.82	23.10	18.44	22.93	19.51	24.67	26.27	24.92
Idaho	6.64	8.42	6.76	7.11	7.58	7.94	8.63	9.56
Illinois	7.08	6.32	6.84	7.12	7.40	9.52	10.07	10.27
Indiana	8.06	NA	7.82	7.78	7.58	10.95	11.35	NA
Iowa	7.75	7.05	7.77	7.45	8.45	12.51	13.51	13.02
Kansas	6.88	8.06	7.00	7.24	10.12	12.12	12.61	12.64
Kentucky	7.33	7.56	7.05	7.12	9.05	10.44	11.28	11.32
Louisiana	8.38	NA	8.59	NA	NA	NA	^R 8.89	^R 8.83
Maine	9.87	NA	13.09	12.18	11.66	12.43	14.04	13.74
Maryland	9.42	NA	9.33	9.41	10.30	13.49	NA	15.98
Massachusetts	NA	NA	NA	9.81	9.75	11.64	12.05	10.96
Michigan	6.13	6.32	6.04	6.25	7.02	8.85	9.20	^R 8.65
Minnesota	7.25	NA	7.05	7.19	6.60	7.85	NA	8.38
Mississippi	8.89	NA	7.41	NA	9.87	8.22	7.65	7.94
Missouri	7.75	7.94	7.75	7.97	10.09	12.47	13.46	12.69
Montana	5.84	5.27	4.98	4.65	4.87	6.06	6.84	6.35
Nebraska	6.52	6.12	6.30	6.43	7.65	9.48	9.83	9.54
Nevada	7.99	9.69	8.64	9.80	10.96	11.36	11.85	11.45
New Hampshire	NA	NA	NA	9.42	11.05	12.08	13.24	11.54
New Jersey	7.42	7.26	7.34	7.48	8.24	8.08	^R 8.15	8.02
New Mexico	NA	6.60	6.32	6.53	8.24	9.56	9.78	9.65
New York	NA	NA	10.17	NA	12.26	NA	14.27	12.86
North Carolina	9.68	9.36	9.40	9.53	11.53	14.85	16.04	15.20
North Dakota	6.11	NA	5.41	5.13	4.44	6.43	NA	7.74
Ohio	7.95	7.42	7.84	8.00	8.16	10.32	10.87	8.77
Oklahoma	6.37	NA	7.06	7.78	9.88	11.03	10.84	NA
Oregon	9.23	10.55	9.32	9.59	11.25	12.77	13.14	12.29
Pennsylvania	9.40	9.45	9.18	9.49	11.96	13.99	14.49	^R 13.35
Rhode Island	10.81	11.38	^R 8.58	11.56	13.41	15.00	15.71	14.57
South Carolina	10.74	10.02	10.26	10.92	11.34	11.87	11.70	11.27
South Dakota	6.92	6.77	7.47	6.39	6.55	9.32	10.26	10.81
Tennessee	9.07	7.87	8.00	8.08	9.67	10.47	10.92	10.72
Texas	6.92	NA	6.99	NA	9.08	10.76	10.84	10.53
Utah	7.16	6.38	6.77	6.33	5.59	7.48	7.53	7.22
Vermont	9.33	10.39	9.45	9.82	11.77	14.04	14.29	^R 13.59
Virginia	9.27	9.71	9.19	8.90	11.15	15.67	12.92	16.41
Washington	7.46	9.35	7.47	8.19	9.29	^R 10.46	^R 10.56	^R 10.42
West Virginia	NA	NA	7.84	8.08	8.87	11.63	12.85	11.93
Wisconsin	8.23	7.37	8.02	8.21	6.88	8.54	8.95	8.99
Wyoming	6.02	NA	4.20	5.02	5.18	7.43	10.14	NA
Total	8.30	7.79	7.78	8.01	8.45	10.08	10.28	9.99

See footnotes at end of table.

Table 21. Average Price of Natural Gas Sold to Residential Consumers, by State, 2001-2002

(Dollars per Thousand Cubic Feet) — Continued

State	2002						2001	
	June	May	April	March	February	January	Total	December
Alabama	12.98	13.39	11.07	9.40	10.06	9.58	^R 12.06	^R 11.85
Alaska	NA	4.50	4.33	4.31	4.27	4.39	4.23	4.10
Arizona	14.59	13.73	12.26	12.27	11.41	11.67	^R 10.51	^R 11.55
Arkansas	NA	NA	NA	NA	8.42	^R 8.56	^R 10.03	^R 8.32
California	7.16	7.29	6.84	5.99	6.67	7.11	^R 10.43	^R 6.08
Colorado	9.07	6.81	5.90	5.45	4.73	5.25	^R 8.36	^R 5.32
Connecticut	^R 12.56	12.17	11.12	10.11	NA	10.88	^R 12.20	^R 10.56
Delaware	13.64	12.31	11.18	10.81	10.75	10.53	^R 9.06	^R 9.32
District of Columbia	11.59	11.87	12.76	10.88	10.23	10.78	^R 12.65	^R 11.11
Florida	15.73	15.15	13.81	12.28	11.75	12.16	^R 15.73	^R 13.64
Georgia	11.99	11.73	6.81	7.70	7.69	6.03	^R 10.58	^R 7.69
Hawaii	23.67	23.59	23.17	23.21	23.30	23.44	22.55	23.88
Idaho	9.74	9.34	9.16	8.96	8.79	8.88	^R 8.48	^R 8.96
Illinois	10.00	7.89	5.62	5.05	5.01	5.07	^R 9.04	^R 5.10
Indiana	NA	8.89	7.67	6.37	6.58	6.90	^R 9.57	^R 6.45
Iowa	10.49	7.52	6.43	5.90	5.71	5.60	^R 8.90	^R 4.25
Kansas	11.69	10.43	8.69	7.39	7.15	7.54	^R 9.38	^R 7.30
Kentucky	9.65	10.15	7.47	6.25	7.51	7.35	^R 9.54	^R 7.25
Louisiana	^R 8.12	^R 9.12	^R 7.79	^R 6.77	^R 6.80	6.75	^R 10.47	7.96
Maine	NA	10.51	11.69	11.55	11.42	10.75	^R 12.31	9.80
Maryland	^R 12.81	12.12	11.01	9.10	8.20	9.46	11.66	9.32
Massachusetts	9.76	9.05	9.62	9.72	9.46	9.88	^R 12.80	^R 11.28
Michigan	7.18	6.52	6.14	6.11	6.07	5.78	^R 5.77	^R 5.93
Minnesota	7.84	6.62	6.80	5.87	5.75	5.98	^R 8.74	^R 5.81
Mississippi	8.46	8.77	7.83	6.37	7.04	6.66	^R 10.32	^R 8.27
Missouri	10.71	8.89	7.40	6.91	7.25	7.18	^R 10.47	^R 7.59
Montana	5.85	5.16	5.23	4.98	5.35	5.77	^R 7.26	^R 6.33
Nebraska	8.49	7.11	5.81	5.19	5.26	5.40	^R 8.71	^R 6.18
Nevada	10.78	10.55	9.64	9.20	9.07	9.53	8.96	^R 8.23
New Hampshire	10.30	10.15	9.88	9.57	9.46	9.17	^R 12.75	^R 11.84
New Jersey	7.67	6.72	6.71	6.95	6.91	7.35	^R 7.70	8.14
New Mexico	9.07	7.77	5.23	4.45	8.13	5.51	^R 7.32	^R 5.15
New York	11.69	9.91	9.47	9.25	8.83	9.69	^R 11.75	^R 10.89
North Carolina	13.50	11.06	8.79	8.02	8.59	8.33	^R 12.34	^R 10.48
North Dakota	7.37	6.07	5.30	4.52	4.71	4.82	^R 7.68	^R 4.86
Ohio	7.86	6.81	6.73	6.47	7.00	7.17	^R 9.67	^R 7.12
Oklahoma	9.82	9.10	7.54	7.48	7.61	7.38	^R 9.58	^R 7.33
Oregon	11.55	10.61	10.73	10.61	10.55	10.49	^R 9.70	^R 10.57
Pennsylvania	11.90	10.26	8.87	8.50	8.67	8.37	^R 11.51	^R 9.50
Rhode Island	12.72	11.74	11.75	11.45	11.26	^R 11.13	12.17	12.25
South Carolina	10.75	10.40	10.01	9.26	9.93	9.43	^R 12.09	^R 10.49
South Dakota	9.45	7.29	6.67	6.17	6.03	6.00	^R 8.57	4.64
Tennessee	9.77	9.39	7.70	7.27	7.62	7.04	^R 10.16	^R 7.97
Texas	10.32	11.03	6.34	5.18	6.69	5.55	^R 8.90	^R 5.53
Utah	7.10	6.52	6.68	6.06	6.17	6.18	^R 8.09	7.03
Vermont	11.84	10.79	10.27	10.05	9.97	9.97	10.07	10.44
Virginia	16.98	12.87	11.17	8.49	7.97	8.86	^R 11.96	^R 9.14
Washington	^R 10.17	9.98	9.78	9.71	9.60	9.62	^R 9.79	9.59
West Virginia	11.91	8.98	8.47	8.08	7.99	NA	^R 8.01	^R 8.55
Wisconsin	8.39	6.90	7.64	6.68	6.59	6.97	8.76	6.54
Wyoming	6.59	5.81	5.41	5.22	5.64	5.35	^R 8.45	^R 6.61
Total	9.42	8.41	7.55	6.95	7.19	7.23	^R9.64	^R7.30

See footnotes at end of table.

Table 21. Average Price of Natural Gas Sold to Residential Consumers, by State, 2001-2002

(Dollars per Thousand Cubic Feet) — Continued

State	2001							
	November	October	September	August	July	June	May	April
Alabama	R11.92	R13.21	R15.95	R15.99	R16.11	R15.82	R14.61	R12.04
Alaska	4.05	4.27	4.51	4.74	4.91	4.63	4.36	4.16
Arizona	R13.33	R14.08	R14.49	R14.72	R14.18	R13.14	R11.33	R10.15
Arkansas	R8.74	R8.52	R11.32	R11.21	R11.42	R13.43	R12.43	R10.62
California	R5.88	R6.05	R7.33	R8.26	R8.75	R11.40	R11.74	R12.05
Colorado	R6.14	R10.15	R12.99	R13.49	R12.59	R11.37	R9.99	R9.45
Connecticut	R10.92	R10.98	R14.10	R13.53	R14.54	R13.56	R11.92	R12.73
Delaware	R9.62	R10.73	R12.24	R12.94	R11.88	R11.22	R10.14	R9.14
District of Columbia	R10.97	R12.09	R13.22	R10.85	R11.18	R11.15	R14.44	R13.15
Florida	R14.57	R15.81	R17.04	R17.22	R17.25	R17.34	R18.69	R17.75
Georgia	R10.15	R7.96	R12.44	R11.10	R14.39	R11.70	R11.44	R10.77
Hawaii	24.02	21.82	22.29	22.52	22.14	21.99	22.11	21.71
Idaho	R9.15	R9.60	R10.03	R10.26	R9.83	R9.37	R8.91	R8.74
Illinois	5.45	5.25	R7.64	R9.40	R9.42	R10.34	R10.36	R9.29
Indiana	R7.68	R8.35	R11.07	R13.68	R13.31	R13.50	R13.69	R11.87
Iowa	R6.93	R6.18	R10.37	R11.58	R10.87	R11.19	R10.45	R9.36
Kansas	R8.48	R9.96	R14.26	R11.46	R11.44	R11.64	R10.92	R9.08
Kentucky	R7.60	R9.58	R11.28	R12.21	R12.96	R14.99	R13.14	R10.86
Louisiana	8.28	8.98	10.24	10.85	9.67	10.27	10.62	8.71
Maine	R14.53	12.73	R13.61	R16.89	R17.95	R17.06	R17.48	R11.67
Maryland	9.78	8.95	13.51	14.68	15.61	14.63	14.37	12.68
Massachusetts	R11.92	R12.92	R15.13	R16.69	R15.17	R13.94	R14.50	R14.25
Michigan	R5.97	R6.34	R7.83	R9.12	R8.87	R9.74	R7.40	R5.58
Minnesota	R6.91	R5.51	R7.30	R8.70	R8.80	R8.74	R9.28	R8.65
Mississippi	R7.98	R8.04	R9.70	R10.61	R11.51	R11.69	R10.93	R10.71
Missouri	R10.37	R12.34	R14.74	R15.87	R15.11	R14.14	R12.84	R11.17
Montana	R6.59	R6.99	R8.87	R9.16	R9.14	R8.41	R7.96	R7.68
Nebraska	R6.54	R7.02	R9.17	R9.93	R9.43	R9.27	R9.46	R8.31
Nevada	R11.16	R11.53	R12.11	R12.27	R11.35	R10.08	R9.42	R9.00
New Hampshire	R14.17	R13.00	R14.90	R16.20	R16.67	R15.08	R11.46	R11.99
New Jersey	8.45	R9.21	R8.76	R9.29	R9.28	R8.52	8.13	7.76
New Mexico	R5.97	R7.43	R8.40	R9.08	R9.32	R9.47	R7.97	R8.03
New York	R11.16	R11.57	R13.14	R14.41	R14.25	R13.84	R13.50	R11.43
North Carolina	R10.19	R11.81	R15.33	R16.94	R16.49	R16.67	R13.96	R13.38
North Dakota	R5.15	R4.92	R7.28	R7.10	R9.27	R10.01	R9.33	R8.33
Ohio	R7.30	R8.97	R10.28	R9.89	R13.10	R12.00	R11.56	R10.57
Oklahoma	R9.13	R10.60	R12.14	R12.13	R13.28	R12.94	R11.80	R9.67
Oregon	R10.83	R11.19	R11.44	R11.87	R11.03	R10.19	9.49	9.25
Pennsylvania	R10.41	R11.89	R15.74	R16.88	R16.94	R15.76	R14.14	R12.47
Rhode Island	13.35	13.68	13.54	14.94	14.68	13.70	12.49	11.98
South Carolina	R9.69	R11.70	R13.33	R13.73	R13.59	R13.20	R12.19	R11.22
South Dakota	6.57	5.84	R8.72	R9.14	R9.51	R8.96	R9.25	R9.27
Tennessee	R8.26	R9.62	R10.38	R12.30	R12.09	R12.10	R11.15	R9.88
Texas	R7.63	R7.70	R9.90	R6.73	R10.54	R11.86	R10.45	R9.26
Utah	7.48	6.82	R9.53	9.34	R9.37	8.82	9.59	7.97
Vermont	11.07	12.52	14.38	14.14	12.58	11.56	10.39	9.46
Virginia	R10.22	R13.04	R16.13	R16.83	R15.40	R15.97	R15.09	R11.82
Washington	9.72	10.22	R11.27	R11.87	R11.47	R10.89	10.33	10.09
West Virginia	R8.07	R8.50	R9.91	R10.54	R13.68	R12.86	R8.85	R7.75
Wisconsin	R7.46	5.01	6.44	R9.18	R7.73	R8.61	R9.18	R9.59
Wyoming	R7.23	R8.64	R10.64	R11.10	R12.23	R10.01	R11.00	R7.80
Total	R7.98	R8.24	R10.17	R10.89	R11.22	R11.59	R11.14	10.16

R Revised Data.

NA Not Available.

Notes: Data through 2001 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District

of Columbia. See Appendix A, Explanatory Note 9 for discussion of computations and revision policy.

Sources: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 22. Average Price of Natural Gas Sold to Commercial Consumers, by State, 2001-2003

(Dollars per Thousand Cubic Feet)

State	2003	2002						
	January	Total	December	November	October	September	August	July
Alabama	8.70	8.99	8.69	9.20	9.62	9.56	9.57	9.55
Alaska	3.39	3.08	2.92	2.77	3.19	3.14	3.14	3.23
Arizona	7.59	8.45	7.68	8.01	8.20	8.09	8.09	7.99
Arkansas	NA	NA	NA	NA	NA	NA	NA	NA
California	NA	NA	NA	6.94	5.77	5.40	5.29	5.44
Colorado	4.16	4.58	3.94	4.15	4.06	5.07	5.49	5.56
Connecticut	10.08	NA	8.74	8.40	7.79	5.24	6.29	6.93
Delaware	7.61	9.40	8.15	8.84	10.07	10.50	10.73	10.83
District of Columbia	NA	10.44	10.09	10.69	10.19	10.96	10.51	10.36
Florida	9.56	7.98	8.71	8.49	8.06	8.35	8.09	8.10
Georgia	8.14	6.49	7.62	7.69	7.45	7.21	7.00	7.67
Hawaii	18.59	17.81	18.89	17.42	18.55	18.38	17.83	18.41
Idaho	6.03	7.73	6.12	6.59	6.72	6.56	6.86	7.79
Illinois	6.99	6.19	6.75	6.93	6.89	7.74	8.21	8.61
Indiana	7.73	6.74	6.97	6.76	6.21	7.89	8.03	9.38
Iowa	6.78	5.48	6.09	6.01	5.92	6.82	7.34	7.12
Kansas	6.80	7.07	6.97	6.34	7.63	7.67	7.50	8.46
Kentucky	6.99	7.07	6.92	7.23	7.24	8.03	8.06	7.77
Louisiana	8.03	NA	8.15	NA	7.60	7.31	6.66	6.92
Maine	10.13	NA	9.01	9.41	8.45	7.93	7.77	7.94
Maryland	8.57	NA	8.30	7.92	8.76	7.83	NA	10.45
Massachusetts	NA	NA	NA	8.98	5.92	6.72	7.59	7.58
Michigan	6.03	6.05	6.22	6.01	6.51	7.51	7.44	6.97
Minnesota	6.66	NA	6.24	6.20	5.36	5.38	NA	5.27
Mississippi	7.54	NA	6.71	NA	6.62	5.95	5.37	5.52
Missouri	7.52	7.08	7.43	7.23	7.55	8.11	8.46	8.46
Montana	5.87	5.28	5.05	4.69	4.69	5.64	5.86	5.86
Nebraska	6.15	5.02	5.88	5.52	4.88	4.81	4.64	4.84
Nevada	7.19	7.66	7.47	7.77	7.76	7.55	7.50	7.53
New Hampshire	NA	NA	NA	9.55	7.14	6.09	6.12	6.45
New Jersey	7.57	6.31	7.25	7.08	7.24	6.47	6.52	6.53
New Mexico	NA	4.58	5.25	^R 4.84	4.83	^R 7.71	5.05	4.89
New York	8.85	NA	8.75	^R 8.42	8.15	NA	8.06	8.04
North Carolina	6.57	7.15	7.67	7.85	7.33	7.66	7.83	7.84
North Dakota	5.78	NA	5.16	4.92	4.01	4.33	NA	4.56
Ohio	7.57	6.87	7.31	7.43	8.38	8.54	8.46	7.07
Oklahoma	6.80	7.29	7.18	7.09	7.70	7.66	7.25	7.18
Oregon	7.76	8.83	7.78	7.76	8.69	9.32	9.28	9.04
Pennsylvania	8.90	8.54	8.70	8.86	9.53	9.65	9.76	9.70
Rhode Island	9.30	10.09	9.19	10.07	9.93	11.57	10.55	10.90
South Carolina	8.09	7.89	8.66	8.58	7.47	7.47	7.37	7.20
South Dakota	6.04	5.25	6.17	5.24	4.87	5.63	5.91	5.95
Tennessee	7.13	7.11	7.37	7.24	7.44	7.26	7.37	8.31
Texas	6.28	NA	6.36	NA	6.25	5.60	5.44	5.53
Utah	5.66	5.21	5.57	5.33	4.57	5.45	5.15	4.92
Vermont	7.79	8.20	7.80	7.81	8.08	8.63	8.69	8.68
Virginia	6.39	7.00	7.54	6.81	6.82	7.99	7.62	7.91
Washington	7.06	8.30	6.71	7.28	7.80	8.09	8.03	7.92
West Virginia	NA	7.50	7.11	7.38	7.67	9.09	9.39	9.25
Wisconsin	7.30	6.18	7.01	6.89	5.75	5.94	5.86	6.09
Wyoming	4.59	4.76	3.59	4.07	4.23	4.92	5.59	4.91
Total	7.24	6.70	7.12	6.93	6.68	6.84	6.87	6.93

See footnotes at end of table.

Table 22. Average Price of Natural Gas Sold to Commercial Consumers, by State, 2001-2003

(Dollars per Thousand Cubic Feet) — Continued

State	2002						2001	
	June	May	April	March	February	January	Total	December
Alabama	9.22	9.45	9.24	8.63	8.99	8.54	^R 10.41	^R 9.73
Alaska	1.99	2.91	3.34	3.40	3.32	3.42	^R 3.16	^R 3.39
Arizona	8.03	8.16	8.24	9.04	8.98	9.40	^R 7.86	^R 8.86
Arkansas	NA	NA	NA	NA	6.90	^R 7.13	^R 7.80	^R 7.07
California	5.36	5.63	6.07	5.50	5.84	6.53	^R 9.33	^R 5.35
Colorado	5.68	4.97	4.83	5.04	4.18	4.91	^R 7.71	^R 4.84
Connecticut	7.35	6.83	7.25	5.98	NA	7.41	^R 7.68	^R 7.27
Delaware	10.67	9.77	9.70	9.41	9.34	9.49	^R 10.27	^R 10.30
District of Columbia	10.71	10.53	11.61	10.36	10.07	10.39	^R 12.02	^R 10.55
Florida	8.05	7.91	7.73	7.34	7.63	7.77	^R 10.50	^R 7.60
Georgia	7.66	7.51	6.47	5.05	5.13	5.43	^R 9.19	^R 6.60
Hawaii	18.39	17.24	16.97	16.92	17.03	17.58	17.61	18.00
Idaho	8.75	8.66	8.59	8.30	8.18	8.29	^R 7.58	^R 8.06
Illinois	8.91	7.36	5.61	5.31	5.11	5.14	^R 8.55	^R 5.15
Indiana	8.91	7.95	7.27	5.80	5.87	6.41	^R 8.64	^R 5.82
Iowa	6.63	5.81	5.21	4.98	4.69	4.72	^R 7.24	^R 3.20
Kansas	8.84	8.09	7.59	6.64	6.55	7.05	^R 8.52	^R 6.72
Kentucky	7.40	7.23	6.71	6.03	7.12	7.50	^R 9.20	^R 7.28
Louisiana	6.37	6.71	6.67	6.56	6.16	6.61	^R 8.59	^R 7.30
Maine	8.37	7.75	NA	10.36	10.81	10.08	^R 10.77	^R 13.43
Maryland	NA	10.43	9.38	7.54	7.14	8.54	^R 10.15	7.94
Massachusetts	7.96	7.53	8.28	8.29	8.78	9.15	^R 11.41	^R 9.63
Michigan	6.56	6.10	5.82	5.91	5.88	5.63	^R 5.45	^R 5.73
Minnesota	5.53	5.76	5.83	5.07	4.70	4.79	^R 7.50	^R 4.72
Mississippi	4.58	6.32	6.43	4.99	5.63	5.83	^R 8.17	^R 5.77
Missouri	7.58	6.97	6.69	6.45	6.84	6.94	^R 9.82	^R 6.35
Montana	5.67	5.27	5.33	5.06	5.44	5.82	^R 7.35	^R 6.84
Nebraska	5.01	5.11	4.91	4.62	4.65	4.89	^R 7.47	^R 5.29
Nevada	6.81	7.23	7.02	8.07	7.81	8.28	^R 8.00	^R 8.21
New Hampshire	7.07	7.28	8.39	8.19	8.15	8.48	^R 11.15	^R 8.88
New Jersey	6.27	5.89	5.79	6.41	5.72	5.44	7.73	6.06
New Mexico	4.98	4.64	3.65	3.47	4.12	4.94	^R 6.77	^R 5.04
New York	7.87	7.81	7.67	7.77	8.35	8.46	^R 9.61	^R 7.32
North Carolina	6.85	6.53	6.34	6.54	6.94	7.03	^R 10.14	^R 8.09
North Dakota	5.02	4.42	5.01	4.34	3.78	5.77	^R 6.96	^R 4.39
Ohio	6.70	5.86	5.80	5.88	6.65	6.91	^R 8.67	^R 6.37
Oklahoma	7.36	7.13	6.87	7.35	7.50	^R 7.32	^R 8.83	^R 7.15
Oregon	9.17	8.82	9.11	9.12	9.18	9.15	^R 7.99	^R 9.12
Pennsylvania	9.27	8.78	8.19	7.94	8.16	7.97	^R 10.67	^R 8.48
Rhode Island	11.04	9.83	10.40	10.14	10.10	^R 10.09	^R 10.69	^R 10.67
South Carolina	7.55	7.35	8.07	7.81	7.73	7.98	^R 10.03	^R 8.15
South Dakota	6.10	5.60	5.15	5.03	4.71	4.85	^R 7.16	^R 3.53
Tennessee	7.09	7.27	6.63	6.74	7.20	6.85	^R 9.40	^R 7.39
Texas	5.35	5.86	5.55	4.70	5.31	4.79	^R 6.49	^R 4.37
Utah	4.92	4.86	5.14	5.17	5.25	5.26	^R 6.78	^R 6.06
Vermont	8.49	8.29	8.29	8.23	8.30	8.23	7.95	8.35
Virginia	8.38	7.57	7.23	5.81	6.80	6.49	^R 9.36	^R 6.61
Washington	8.34	8.79	8.77	8.90	8.86	8.85	^R 8.62	^R 8.57
West Virginia	8.73	8.22	7.44	7.02	7.55	7.22	^R 7.04	^R 9.10
Wisconsin	6.11	5.41	6.49	5.70	5.52	5.99	^R 7.54	^R 5.41
Wyoming	5.06	4.87	4.90	4.92	5.30	4.93	^R 8.27	^R 4.90
Total	6.86	6.76	6.62	6.29	6.51	6.56	^R8.43	^R6.35

See footnotes at end of table.

Table 22. Average Price of Natural Gas Sold to Commercial Consumers, by State, 2001-2003

(Dollars per Thousand Cubic Feet) — Continued

State	2001							
	November	October	September	August	July	June	May	April
Alabama	R9.55	R10.04	R11.00	R11.22	R11.28	R11.37	R11.19	R10.65
Alaska	R3.30	R3.31	R3.20	R3.03	R3.14	R2.94	R2.98	R2.90
Arizona	R8.46	R7.98	R7.94	R7.99	R7.93	R7.73	R7.82	R7.26
Arkansas	R6.61	R6.04	R6.49	R6.80	R7.76	R7.62	R8.36	R7.98
California	R5.18	R4.67	R5.56	R6.69	R7.32	R9.65	R10.78	R11.58
Colorado	R5.18	R8.13	R9.70	R9.79	R9.57	R9.42	R9.28	R8.99
Connecticut	R5.56	R7.35	R4.39	R7.01	R6.90	R5.38	R6.11	R7.81
Delaware	R10.38	R10.99	R11.48	R12.09	R11.82	R11.43	R11.62	R10.85
District of Columbia	R10.35	R9.77	R9.79	R10.15	R10.64	R10.78	R11.94	R12.43
Florida	R7.60	R7.99	R8.75	R8.93	R9.23	R9.61	R12.07	R12.65
Georgia	R6.26	R6.26	R6.03	R6.42	R7.47	R7.52	R8.18	R9.11
Hawaii	18.27	17.48	17.30	17.54	17.24	17.17	17.22	16.78
Idaho	R8.27	R9.56	R8.21	R8.20	R8.02	R7.98	R7.94	R7.90
Illinois	R5.49	R4.80	R6.30	R7.54	R7.41	R9.04	R8.78	R8.53
Indiana	R7.22	R7.35	R9.19	R13.22	R9.31	R10.42	R11.28	R10.65
Iowa	R5.22	R4.21	R6.23	R6.83	R7.82	R7.62	R8.51	R7.71
Kansas	R6.89	R7.31	R7.70	R7.62	R7.71	R8.83	R9.29	R8.83
Kentucky	R7.54	R9.12	R9.46	R9.17	R10.36	R9.82	R10.17	R9.82
Louisiana	R7.47	R5.27	R5.85	R7.25	R6.93	R6.77	R7.57	R7.75
Maine	R9.63	R5.52	R9.15	R12.18	R13.37	R12.69	R12.49	R11.12
Maryland	8.49	7.10	7.96	8.78	9.12	R10.70	R11.15	R11.06
Massachusetts	R9.48	R11.18	R10.94	R10.68	R11.04	R11.61	R12.80	R12.40
Michigan	R5.66	R5.97	R6.54	R7.13	R7.43	R6.98	R6.78	R5.22
Minnesota	R5.65	R3.80	R4.51	R5.27	R5.56	R6.00	R7.35	R7.66
Mississippi	R6.24	R4.83	R6.60	R5.50	R5.95	R7.20	R8.44	R9.07
Missouri	R9.44	R10.05	R10.82	R11.59	R10.92	R11.00	R10.34	R10.61
Montana	R6.94	R7.20	R8.58	R8.64	R8.80	R8.45	R8.61	R8.23
Nebraska	R4.95	R4.17	R4.91	R5.46	R5.41	R6.32	R7.21	R7.53
Nevada	R9.83	R8.54	R8.48	R8.81	R8.12	R7.94	R7.84	R7.82
New Hampshire	R8.68	R9.90	R11.71	R12.48	R12.93	R12.08	R10.83	R11.61
New Jersey	5.54	6.27	6.46	6.72	6.06	6.42	7.05	7.05
New Mexico	R4.76	R5.09	R4.38	R5.51	R6.51	R4.97	R7.21	R8.28
New York	R6.92	R6.47	R7.12	R7.63	R8.19	R9.26	R10.46	R10.38
North Carolina	R7.93	R8.52	R9.07	R9.80	R10.10	R10.39	R10.36	R10.51
North Dakota	R4.71	R3.88	R5.15	R5.49	R6.41	R7.57	R7.55	R7.44
Ohio	R6.09	R7.58	R8.06	R7.78	R10.82	R10.20	R10.40	R9.77
Oklahoma	R7.65	R7.73	R8.61	R7.95	R9.09	R9.70	R9.22	R8.93
Oregon	R9.05	R8.55	R8.02	R8.02	R7.94	R7.67	R7.48	R7.67
Pennsylvania	R9.71	R9.65	R11.52	R11.80	R12.28	R11.66	R12.22	R12.05
Rhode Island	R11.26	R11.41	R11.25	R11.76	R12.24	R11.77	R10.81	R10.43
South Carolina	R8.12	R8.06	R8.58	R8.68	R8.78	R9.02	R9.49	R10.03
South Dakota	5.09	4.02	5.34	5.39	R5.59	R6.91	R7.21	R7.67
Tennessee	R7.57	R7.78	R8.02	R8.74	R8.15	R8.85	R8.67	R8.74
Texas	R5.81	R4.18	R3.66	R4.90	R5.62	R6.20	R8.15	R6.27
Utah	R6.49	R5.77	R7.32	R7.14	R7.04	R6.88	R6.85	R6.52
Vermont	8.61	8.65	8.85	8.69	7.04	7.99	7.73	7.76
Virginia	R8.27	R7.94	R8.61	R9.08	R8.29	R9.77	R9.30	R9.20
Washington	R8.50	R8.48	R8.75	R9.24	R9.18	R9.19	R9.05	R9.05
West Virginia	R7.74	R7.74	R7.85	R7.98	R8.44	R7.93	R7.94	R7.54
Wisconsin	R6.13	R3.60	R4.54	R6.36	R5.53	R6.30	R7.59	R8.26
Wyoming	R6.65	R8.08	R8.81	R8.94	R9.51	R8.63	11.04	R11.67
Total	R6.79	R6.39	R6.96	R7.61	R7.90	R8.50	R9.19	9.01

^R Revised Data.

^{NA} Not Available.

Notes: Data through 2001 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. Average prices for gas delivered to commercial consumers reflect onsystem sales prices only. See Appendix A, Explanatory Note 9 for

discussion of computations and revision policy. See Table 25 for data on onsystem sales expressed as a percentage of both total commercial and total industrial deliveries.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 23. Average Price of Natural Gas Sold to Industrial Consumers, by State, 2001-2003

(Dollars per Thousand Cubic Feet)

State	2003	2002						
	January	Total	December	November	October	September	August	July
Alabama	NA	4.30	4.55	4.66	3.75	3.95	3.72	3.89
Alaska	1.72	1.64	1.68	1.69	1.55	1.57	1.56	1.58
Arizona	7.37	NA	5.94	6.12	6.07	6.38	6.35	6.31
Arkansas	5.30	NA						
California	NA	NA	NA	NA	5.16	4.58	4.42	4.66
Colorado	6.25	NA	6.21	5.52	4.68	4.43	4.23	4.32
Connecticut	7.38	5.02	6.29	5.68	4.93	4.97	4.16	4.12
Delaware	5.40	6.16	5.53	5.84	6.34	6.68	6.47	6.29
District of Columbia	—	—	—	—	—	—	—	—
Florida	5.46	4.72	5.43	4.87	4.96	4.86	4.75	4.82
Georgia	6.55	5.23	6.20	5.93	5.31	5.37	5.23	5.51
Hawaii	10.62	10.17	10.71	10.98	10.24	10.65	10.43	10.22
Idaho	5.56	6.76	4.91	4.26	5.45	5.43	5.94	5.70
Illinois	6.29	5.18	6.04	6.02	5.38	5.17	5.36	5.19
Indiana	7.06	5.74	6.16	5.41	4.37	4.42	5.04	5.47
Iowa	7.46	5.37	6.88	6.01	5.48	4.92	4.75	5.03
Kansas	6.74	4.10	5.28	5.48	4.62	3.93	3.75	3.83
Kentucky	5.89	4.59	5.31	5.41	4.62	4.21	3.95	4.10
Louisiana	NA	3.90	4.60	4.57	4.18	4.34	3.41	3.78
Maine	10.32	NA	7.81	6.25	5.51	4.57	4.40	4.39
Maryland	8.40	NA	8.06	6.68	6.62	5.90	NA	5.93
Massachusetts	NA	NA	NA	6.27	6.13	6.85	8.15	6.99
Michigan	4.87	NA	3.70	5.03	5.14	5.20	5.39	NA
Minnesota	5.36	NA	4.74	5.05	4.26	4.02	NA	NA
Mississippi	5.60	4.37	5.27	5.13	4.75	4.18	4.11	4.19
Missouri	7.05	5.85	6.76	6.41	6.28	6.02	6.08	6.29
Montana	4.70	3.92	4.01	3.70	4.12	4.67	5.14	4.57
Nebraska	5.22	4.14	4.95	4.75	4.12	3.98	3.82	4.04
Nevada	8.39	7.69	7.17	9.32	8.96	8.98	8.92	9.01
New Hampshire	NA	NA	NA	6.99	6.55	6.30	6.63	6.81
New Jersey	6.38	4.92	6.24	5.59	5.32	4.34	4.81	5.01
New Mexico	NA	4.19	6.23	5.34	4.01	3.80	3.79	3.77
New York	7.12	5.65	4.69	6.45	5.59	5.27	5.23	5.37
North Carolina	5.77	4.87	6.49	5.76	4.97	4.59	4.58	4.91
North Dakota	4.58	4.06	5.00	4.69	4.21	3.79	3.84	3.83
Ohio	6.78	6.25	6.59	6.68	6.26	6.62	5.88	5.39
Oklahoma	6.47	6.57	6.34	6.15	6.07	5.39	4.85	7.07
Oregon	5.88	6.95	5.90	5.83	5.87	7.32	7.18	6.74
Pennsylvania	7.97	6.89	7.21	7.37	6.21	5.92	6.08	6.11
Rhode Island	6.75	5.20	6.89	3.16	5.54	4.59	4.65	4.91
South Carolina	6.58	4.52	5.54	5.39	5.11	4.72	4.62	4.53
South Dakota	4.89	4.26	4.61	4.35	3.98	3.88	4.49	4.51
Tennessee	7.21	5.22	5.92	5.60	5.12	5.07	4.56	4.57
Texas	4.67	3.35	4.17	4.01	3.70	3.47	3.18	3.46
Utah	4.31	3.90	4.29	3.69	2.59	2.59	2.79	2.87
Vermont	4.92	4.39	4.80	4.47	4.61	4.22	4.04	4.19
Virginia	6.33	4.46	5.84	4.25	3.34	2.97	3.52	3.88
Washington	5.05	4.80	5.15	4.60	3.86	4.37	4.57	3.41
West Virginia	4.72	4.57	4.71	4.70	5.01	4.33	4.34	4.35
Wisconsin	6.62	5.30	6.08	6.06	4.72	4.37	4.42	4.80
Wyoming	NA	4.52	4.50	4.39	4.09	4.20	4.32	4.21
Total	5.27	4.01	4.81	4.66	4.13	3.86	3.64	3.78

See footnotes at end of table.

Table 23. Average Price of Natural Gas Sold to Industrial Consumers, by State, 2001-2003

(Dollars per Thousand Cubic Feet) — Continued

State	2002						2001	
	June	May	April	March	February	January	Total	December
Alabama	3.95	4.77	4.28	4.28	4.67	4.81	6.33	4.72
Alaska	1.66	1.62	1.64	1.66	1.68	1.74	1.66	1.86
Arizona	6.20	6.34	6.44	NA	7.18	7.15	6.23	6.71
Arkansas	NA	NA	NA	NA	5.00	5.17	6.38	5.74
California	4.57	4.98	5.63	4.37	4.63	5.66	6.60	3.75
Colorado	4.69	4.88	5.16	NA	7.80	7.03	4.40	3.42
Connecticut	4.76	4.86	4.15	4.94	5.16	5.22	6.77	5.92
Delaware	7.23	5.47	6.16	6.11	6.02	6.58	6.85	6.11
District of Columbia	—	—	—	—	—	—	—	—
Florida	5.12	4.84	4.29	4.97	3.46	5.06	6.98	4.24
Georgia	5.42	7.25	5.01	3.76	3.96	4.40	5.89	3.39
Hawaii	10.63	9.97	9.66	9.85	10.48	8.59	11.11	10.56
Idaho	7.48	7.78	7.75	8.07	7.65	7.64	6.43	8.76
Illinois	5.67	6.02	4.84	4.43	4.65	4.15	6.88	4.34
Indiana	6.17	7.63	7.18	4.60	6.20	7.62	8.14	3.34
Iowa	5.17	5.16	4.79	4.69	4.40	4.77	6.48	3.42
Kansas	3.88	3.99	4.00	4.02	4.93	5.28	4.97	3.99
Kentucky	4.22	4.46	4.53	4.11	4.65	4.83	6.51	4.77
Louisiana	3.78	3.80	3.69	3.62	3.26	3.77	5.03	3.58
Maine	4.41	4.93	4.43	3.73	NA	7.25	8.00	4.60
Maryland	NA	8.15	NA	6.75	6.12	7.62	9.07	6.62
Massachusetts	10.43	11.38	11.22	12.43	8.57	8.30	9.36	8.07
Michigan	5.09	4.93	4.81	4.97	5.01	4.93	4.77	5.13
Minnesota	4.88	3.96	4.54	3.48	3.57	3.85	5.16	4.14
Mississippi	4.25	4.25	4.52	3.83	3.72	4.20	5.79	3.72
Missouri	5.92	5.94	5.88	5.00	5.29	5.97	7.49	2.74
Montana	3.74	3.41	3.58	3.72	3.90	4.30	5.17	4.68
Nebraska	3.64	4.33	4.36	3.90	3.59	4.07	5.87	4.06
Nevada	6.63	7.03	6.73	7.85	7.01	7.71	7.00	7.24
New Hampshire	5.53	5.99	NA	NA	NA	6.06	7.92	4.60
New Jersey	4.95	5.06	4.86	4.17	4.58	4.06	6.69	4.76
New Mexico	3.96	3.90	3.43	3.94	4.41	4.64	6.18	4.25
New York	5.21	5.58	5.75	6.25	6.41	6.26	7.72	6.41
North Carolina	4.81	4.24	4.56	3.54	4.55	4.98	6.99	5.14
North Dakota	3.92	5.30	4.49	6.24	2.22	1.17	5.27	3.36
Ohio	5.56	5.34	6.06	5.80	6.22	6.66	6.58	5.16
Oklahoma	6.39	6.04	7.61	7.04	7.06	6.88	8.08	6.96
Oregon	7.06	7.23	7.15	7.29	7.38	7.40	6.09	7.25
Pennsylvania	5.96	6.25	7.06	7.50	7.45	7.58	7.18	6.38
Rhode Island	4.67	6.88	5.75	5.87	6.70	6.85	6.61	6.48
South Carolina	4.50	4.51	4.36	3.72	3.41	4.03	5.55	3.99
South Dakota	4.53	4.41	4.06	4.08	4.10	4.14	6.08	4.05
Tennessee	4.99	5.26	5.21	5.29	5.12	5.37	6.85	5.20
Texas	3.47	3.58	2.89	2.78	2.41	2.84	4.41	2.63
Utah	4.05	4.34	4.63	4.59	4.74	4.96	5.29	4.91
Vermont	4.23	4.41	4.08	4.36	4.40	4.46	5.02	4.24
Virginia	4.40	4.10	4.79	4.98	4.79	5.69	5.99	4.49
Washington	5.28	4.52	5.09	4.85	5.61	5.61	5.02	4.31
West Virginia	4.74	4.54	4.76	4.05	3.75	4.70	4.76	5.02
Wisconsin	5.35	4.65	5.70	5.02	4.99	5.52	7.50	5.59
Wyoming	4.69	4.60	4.73	4.71	4.75	4.78	6.33	3.95
Total	3.86	4.05	3.67	3.88	3.73	4.08	5.28	3.75

See footnotes at end of table.

Table 23. Average Price of Natural Gas Sold to Industrial Consumers, by State, 2001-2003

(Dollars per Thousand Cubic Feet) — Continued

State	2001							
	November	October	September	August	July	June	May	April
Alabama	4.83	4.56	4.75	5.30	5.66	5.81	6.53	7.01
Alaska	1.79	1.82	1.76	1.75	1.74	1.49	1.53	1.51
Arizona	6.44	6.13	6.23	7.06	4.79	6.00	5.97	6.10
Arkansas	5.83	5.37	5.57	5.56	5.99	5.74	6.39	5.39
California	3.40	3.31	3.83	4.68	5.17	7.09	7.53	10.06
Colorado	2.75	3.73	4.47	4.43	4.43	4.52	4.60	4.94
Connecticut	5.15	4.61	5.22	4.62	3.13	6.24	7.19	8.23
Delaware	5.68	6.19	6.29	6.54	6.65	6.89	8.20	7.36
District of Columbia	—	—	—	—	—	—	—	—
Florida	4.51	5.66	5.76	6.22	6.92	7.56	6.66	8.61
Georgia	4.52	3.00	3.78	4.21	4.55	5.01	5.80	6.07
Hawaii	10.76	11.18	10.62	10.89	11.07	11.17	11.23	11.08
Idaho	7.17	7.10	7.99	6.75	6.51	6.23	6.44	6.74
Illinois	3.54	3.70	4.53	5.18	4.99	6.24	6.31	7.06
Indiana	7.01	3.85	5.46	9.57	12.67	9.21	10.26	9.81
Iowa	4.25	3.87	5.26	5.74	5.35	8.08	6.35	7.96
Kansas	3.09	3.29	4.65	4.48	4.78	5.29	6.09	7.09
Kentucky	5.09	4.78	4.29	5.10	5.58	5.90	6.31	7.29
Louisiana	3.84	3.53	4.11	4.17	4.48	5.17	5.42	5.76
Maine	4.42	5.75	8.25	6.65	8.06	7.98	9.13	9.95
Maryland	7.00	6.00	6.20	6.06	6.31	8.49	8.95	9.58
Massachusetts	7.95	7.62	9.79	8.99	8.98	9.23	10.44	11.09
Michigan	5.16	5.14	5.17	5.23	5.31	5.76	5.75	4.40
Minnesota	4.01	2.48	3.67	3.69	3.77	4.28	5.51	6.18
Mississippi	4.68	3.79	4.04	4.27	4.85	4.61	6.13	6.16
Missouri	7.61	7.63	7.78	8.20	8.15	8.70	8.91	9.45
Montana	4.84	5.79	6.55	6.55	6.07	5.90	4.96	4.79
Nebraska	4.11	3.38	3.90	4.46	4.34	4.80	5.39	6.89
Nevada	8.57	8.35	6.62	6.58	6.34	6.78	6.76	6.27
New Hampshire	5.27	3.71	4.59	5.80	8.21	9.54	9.39	10.72
New Jersey	4.29	4.02	4.87	4.61	4.54	5.74	5.50	6.60
New Mexico	3.44	3.87	3.74	4.21	4.95	4.78	6.12	9.48
New York	5.06	4.94	7.11	4.59	4.84	7.31	8.17	7.92
North Carolina	4.90	5.33	5.30	5.45	5.83	6.07	7.34	7.26
North Dakota	4.04	2.50	3.10	3.81	3.67	4.49	5.45	5.81
Ohio	4.90	5.51	7.05	4.90	5.78	8.50	5.27	7.66
Oklahoma	6.78	7.48	6.83	6.97	8.64	8.20	8.26	8.24
Oregon	7.25	6.62	5.71	5.58	5.52	5.58	5.78	5.79
Pennsylvania	6.87	4.69	5.80	5.66	6.04	6.68	7.20	8.35
Rhode Island	5.65	4.85	5.76	5.91	5.24	6.24	7.13	7.27
South Carolina	4.59	3.38	3.90	4.42	4.58	5.15	6.58	6.84
South Dakota	4.06	4.26	5.01	5.09	5.13	5.62	5.89	5.66
Tennessee	4.25	4.84	5.52	5.18	5.56	8.47	6.96	7.20
Texas	3.06	2.29	2.59	3.39	3.41	3.84	4.74	5.30
Utah	5.05	4.26	4.93	4.99	4.89	4.42	5.14	5.52
Vermont	4.31	4.45	4.38	4.40	4.73	4.87	5.03	4.69
Virginia	5.59	4.24	4.85	3.89	2.73	4.37	5.08	5.60
Washington	3.99	3.82	4.72	3.78	4.90	7.12	5.60	5.91
West Virginia	4.17	3.63	3.48	3.63	3.80	4.27	5.66	6.25
Wisconsin	6.01	3.64	4.53	5.10	5.13	6.64	7.36	8.37
Wyoming	4.09	7.08	6.89	7.08	7.10	6.83	6.98	7.08
Total	3.92	3.23	3.56	4.01	4.13	4.80	5.49	6.16

NA Not Available.

— Not Applicable.

Notes: Data through 2001 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. Average prices for gas delivered to industrial consumers reflect onsystem sales prices only. See Appendix A, Explanatory Note 9 for

discussion of computations and revision policy. See Table 25 for data on onsystem sales expressed as a percentage of both total commercial and total industrial deliveries.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Table 24. Average Price of Natural Gas Sold to Electric Utility^a Consumers, by State, 2001-2002
(Dollars per Thousand Cubic Feet)

State	2002							
	Total	December	November	October	September	August	July	June
Alabama	3.59	4.82	4.67	4.35	3.54	3.42	3.43	3.32
Alaska	2.22	1.98	2.02	2.02	2.11	2.12	2.12	2.40
Arizona	3.26	4.82	3.97	3.60	3.08	2.95	3.07	3.01
Arkansas	3.60	4.89	4.26	4.28	3.89	3.25	3.42	3.60
California	4.07	4.65	4.25	3.69	3.69	4.04	3.66	3.64
Colorado	2.62	3.47	3.16	2.47	1.94	2.21	1.83	2.02
Connecticut	—	—	—	—	—	—	—	—
Delaware	3.66	5.58	4.23	4.90	4.17	4.03	3.21	3.43
District of Columbia	—	—	—	—	—	—	—	—
Florida	4.22	5.90	4.73	4.85	4.15	3.93	4.00	4.11
Georgia	3.10	6.65	2.35	1.85	4.06	3.59	3.25	2.98
Hawaii	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—
Illinois	3.53	5.50	5.00	5.20	4.01	3.18	3.19	3.57
Indiana	3.85	4.82	4.96	4.81	4.17	4.49	4.16	2.61
Iowa	3.87	4.89	5.15	4.52	3.78	3.28	3.73	3.89
Kansas	3.11	4.22	4.17	3.38	3.09	2.97	3.04	3.24
Kentucky	4.34	5.24	4.91	4.91	3.99	3.67	3.70	3.82
Louisiana	3.66	4.87	4.59	4.49	3.92	3.36	3.54	3.66
Maine	—	—	—	—	—	—	—	—
Maryland	—	—	—	—	—	—	—	—
Massachusetts	4.07	5.78	4.73	4.71	4.19	3.65	3.70	4.04
Michigan	3.13	4.39	9.18	3.39	2.77	2.73	2.96	2.75
Minnesota	3.95	7.23	4.86	4.52	4.82	3.91	3.28	3.53
Mississippi	3.63	5.27	4.29	4.19	3.69	3.32	3.36	3.55
Missouri	3.43	5.13	4.36	4.48	3.54	3.20	3.25	3.26
Montana	4.82	6.12	5.21	3.84	4.66	4.65	6.13	4.71
Nebraska	4.17	5.24	4.45	4.07	4.01	3.80	3.12	3.93
Nevada	5.60	4.31	4.96	4.88	5.43	4.50	4.93	5.09
New Hampshire	4.08	6.51	—	4.42	3.87	3.58	3.38	3.39
New Jersey	—	—	—	—	—	—	—	—
New Mexico	3.29	4.42	4.16	3.60	3.10	3.05	3.13	3.04
New York	3.88	5.63	5.17	4.50	3.94	3.79	3.85	3.88
North Carolina	4.37	5.95	6.07	5.95	4.51	4.30	4.29	4.32
North Dakota	2.52	—	—	2.00	—	—	2.14	—
Ohio	5.17	5.52	6.12	6.01	4.49	4.33	4.66	4.95
Oklahoma	3.61	4.96	4.93	4.31	3.50	3.34	3.42	3.50
Oregon	3.01	—	3.51	2.80	2.81	2.35	2.38	2.95
Pennsylvania	—	—	—	—	—	—	—	—
Rhode Island	—	—	—	—	—	—	—	—
South Carolina	5.16	—	4.94	6.03	5.42	5.38	5.37	5.28
South Dakota	—	—	—	—	—	—	—	—
Tennessee	—	—	—	—	—	—	—	—
Texas	3.47	4.51	4.18	3.89	3.50	3.17	3.40	3.45
Utah	4.82	—	3.63	2.96	3.62	3.69	4.33	5.13
Vermont	3.86	—	4.86	4.39	—	—	—	—
Virginia	4.92	7.44	8.98	6.37	4.61	3.93	3.98	4.39
Washington	—	—	—	—	—	—	—	—
West Virginia	4.53	8.40	9.03	4.84	4.07	4.18	3.39	6.52
Wisconsin	3.80	4.74	4.81	4.23	3.99	3.42	3.57	3.90
Wyoming	4.38	21.17	5.84	2.21	2.22	2.89	2.85	—
Total	3.77	4.85	4.49	4.26	3.76	3.47	3.53	3.67

See footnotes at end of table.

Table 24. Average Price of Natural Gas Sold to Electric Utility^a Consumers, by State, 2001-2002

(Dollars per Thousand Cubic Feet) — Continued

State	2002					2001		
	May	April	March	February	January	Total	December	November
Alabama	3.82	3.75	3.07	2.44	2.66	5.20	2.57	4.97
Alaska	2.38	2.46	2.77	2.57	2.57	2.36	2.60	2.59
Arizona	3.23	3.29	3.45	2.66	3.33	4.70	2.93	3.13
Arkansas	4.16	3.69	3.82	2.66	2.64	4.44	2.70	3.60
California	3.80	4.09	4.42	4.58	5.93	9.38	5.64	3.43
Colorado	2.68	3.03	3.01	2.67	2.95	3.81	2.73	3.42
Connecticut	—	—	—	—	—	—	—	—
Delaware	4.12	3.86	3.86	3.05	3.30	4.41	3.12	—
District of Columbia	—	—	—	—	—	—	—	—
Florida	4.30	4.27	3.64	3.29	3.48	4.73	3.15	3.83
Georgia	2.81	3.86	3.67	2.70	8.67	3.36	3.52	—
Hawaii	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—
Illinois	5.71	4.34	3.19	3.14	3.23	3.79	3.04	2.14
Indiana	6.35	3.25	3.25	3.07	3.36	5.18	4.07	3.95
Iowa	4.20	4.34	3.18	2.91	3.44	^R 4.78	3.67	3.82
Kansas	3.39	3.45	2.94	2.27	2.26	3.60	2.63	2.56
Kentucky	4.05	5.70	4.61	3.97	3.55	4.70	3.65	4.50
Louisiana	3.84	3.77	3.18	2.49	2.76	4.30	2.78	3.15
Maine	—	—	—	—	—	—	—	—
Maryland	—	—	—	—	—	—	—	—
Massachusetts	4.05	4.02	3.89	3.26	3.23	3.58	3.30	3.20
Michigan	2.23	3.59	2.17	2.91	3.51	3.48	2.93	2.44
Minnesota	3.66	3.96	2.55	4.16	3.94	5.25	3.48	2.99
Mississippi	3.74	3.60	2.83	2.36	2.62	3.54	2.48	2.67
Missouri	3.68	3.72	3.24	3.04	3.19	4.69	3.01	3.02
Montana	4.90	4.98	4.82	4.69	4.89	7.54	4.84	5.07
Nebraska	4.47	3.65	4.57	2.22	3.12	4.29	3.67	4.34
Nevada	5.25	6.13	7.28	8.09	7.83	8.22	5.79	3.72
New Hampshire	3.81	3.97	—	—	—	2.56	—	—
New Jersey	—	—	—	—	—	3.43	3.58	3.03
New Mexico	3.15	3.13	3.47	2.91	2.68	4.22	2.56	2.99
New York	3.94	3.86	3.26	2.83	3.38	4.12	3.12	3.54
North Carolina	3.80	3.79	4.84	4.47	4.88	4.50	4.70	5.40
North Dakota	—	—	2.68	2.89	—	^R 7.08	—	—
Ohio	5.15	6.36	5.78	3.98	5.95	8.17	5.78	4.37
Oklahoma	3.80	3.81	3.17	2.90	3.15	4.62	3.16	3.53
Oregon	3.15	2.95	3.30	2.96	3.36	3.82	3.85	3.62
Pennsylvania	—	—	—	—	—	8.87	—	—
Rhode Island	—	—	—	—	—	—	—	—
South Carolina	—	4.29	4.48	6.12	4.11	2.64	5.73	5.85
South Dakota	—	—	—	—	—	—	—	—
Tennessee	—	—	—	—	—	—	—	—
Texas	3.58	3.54	3.05	2.66	2.74	4.32	2.84	3.07
Utah	—	3.54	6.10	9.98	11.71	4.88	—	10.12
Vermont	—	—	3.13	2.73	3.54	4.83	—	—
Virginia	5.59	5.55	12.56	12.17	8.92	4.55	3.57	—
Washington	—	—	—	—	—	—	—	—
West Virginia	4.46	3.90	3.44	2.98	4.66	6.46	2.97	4.07
Wisconsin	3.92	3.98	3.41	3.30	3.27	4.76	3.65	3.62
Wyoming	—	3.91	4.43	5.09	7.21	4.01	—	—
Total	3.88	3.90	3.50	3.05	3.31	4.61	3.14	3.32

See footnotes at end of table.

Table 24. Average Price of Natural Gas Sold to Electric Utility^a Consumers, by State, 2001-2002

(Dollars per Thousand Cubic Feet) — Continued

State	2001							
	October	September	August	July	June	May	April	March
Alabama	2.56	3.89	3.37	3.55	5.21	5.08	5.88	6.26
Alaska	2.66	2.45	2.46	2.44	2.32	2.27	2.32	2.13
Arizona	2.67	2.88	3.64	3.55	3.94	4.46	5.35	5.69
Arkansas	2.44	2.67	3.24	3.53	4.16	5.25	6.68	5.49
California	4.03	5.01	5.98	8.55	8.26	10.64	10.04	10.33
Colorado	2.36	2.87	2.82	2.79	3.36	4.13	5.06	5.26
Connecticut	—	—	—	—	—	—	—	—
Delaware	3.74	—	4.00	4.16	4.76	—	7.55	6.94
District of Columbia	—	—	—	—	—	—	—	—
Florida	2.80	3.68	4.38	4.53	4.81	5.93	6.35	5.59
Georgia	2.55	2.45	3.26	3.13	3.82	5.21	5.93	8.07
Hawaii	—	—	—	—	—	—	—	—
Idaho	—	—	—	—	—	—	—	—
Illinois	2.85	4.35	3.76	4.81	5.23	4.44	6.18	5.57
Indiana	4.04	3.78	4.07	4.56	4.67	5.86	6.05	6.80
Iowa	2.69	3.13	3.57	3.97	4.82	6.49	6.35	6.23
Kansas	2.35	2.37	3.23	3.26	3.89	4.51	5.33	5.78
Kentucky	2.83	2.85	3.75	3.80	4.45	8.53	—	7.18
Louisiana	2.26	2.44	3.22	3.40	4.06	5.03	5.83	5.65
Maine	—	—	—	—	—	—	—	—
Maryland	—	—	—	—	—	—	—	—
Massachusetts	2.82	2.81	3.57	3.43	4.41	5.04	7.08	7.14
Michigan	2.81	2.64	3.15	3.91	4.52	5.08	5.03	5.32
Minnesota	3.50	3.86	4.15	4.19	4.80	4.66	5.74	5.31
Mississippi	2.13	2.64	3.54	3.59	4.07	4.77	5.52	5.37
Missouri	2.90	4.63	5.01	4.80	4.68	4.37	5.82	4.89
Montana	5.44	5.34	6.26	7.66	7.91	7.67	7.25	8.32
Nebraska	2.53	3.78	3.82	3.83	3.55	3.78	6.88	5.80
Nevada	10.65	13.58	9.43	9.88	7.06	7.04	6.24	7.60
New Hampshire	2.55	2.47	3.54	—	—	—	—	—
New Jersey	3.03	—	—	—	—	—	—	—
New Mexico	2.31	2.80	3.21	3.40	3.92	4.94	5.45	6.07
New York	2.75	2.88	3.72	3.54	4.43	5.31	6.12	6.32
North Carolina	3.58	3.80	4.63	4.69	5.34	6.06	7.83	—
North Dakota	—	4.50	—	—	—	6.33	—	6.53
Ohio	6.30	9.74	6.51	8.52	9.49	9.45	9.22	9.50
Oklahoma	3.03	2.73	3.49	3.59	4.14	5.41	6.07	6.42
Oregon	3.24	3.20	3.25	3.32	3.59	3.72	4.12	4.32
Pennsylvania	—	—	—	—	—	—	—	5.53
Rhode Island	—	—	—	—	—	—	—	—
South Carolina	2.34	5.67	5.84	6.63	6.28	5.84	6.49	6.89
South Dakota	—	—	—	—	—	—	—	—
Tennessee	—	—	—	—	—	—	—	—
Texas	2.53	2.70	3.46	3.49	4.04	4.79	5.48	5.38
Utah	6.67	3.96	3.64	3.69	4.11	3.93	4.32	4.78
Vermont	—	—	—	—	4.67	4.63	5.84	5.84
Virginia	—	3.06	4.05	4.15	5.00	7.91	10.76	22.76
Washington	—	—	—	—	—	—	—	—
West Virginia	5.44	4.07	4.25	4.81	7.87	9.37	6.80	8.45
Wisconsin	2.81	3.33	4.08	3.66	4.65	5.66	6.07	5.88
Wyoming	3.61	—	3.03	3.48	2.66	3.71	4.06	5.06
Total	2.78	3.03	3.64	3.85	4.37	5.29	5.82	5.90

^a Includes all steam electric utility generating plants with a combined capacity of 50 megawatts or greater.

^R Revised Data.

— Not Applicable.

Notes: Data through 2001 are final. All other data are preliminary unless

otherwise indicated. Geographic coverage is the 50 States and the District of Columbia.

Sources: Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 2001-2003

State	2003		2002					
	January		Total		December		November	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	80.3	NA	NA	16.9	78.1	18.5	69.0	19.1
Alaska	57.9	98.6	NA	90.6	71.2	99.6	69.5	96.4
Arizona	93.1	34.3	91.2	NA	90.7	33.5	89.9	NA
Arkansas	NA	3.9	NA	NA	NA	NA	NA	NA
California	NA	NA	NA	NA	NA	NA	83.3	NA
Colorado	99.9	NA	NA	NA	99.3	NA	99.5	NA
Connecticut	69.3	51.1	NA	NA	72.9	49.5	70.1	43.2
Delaware	NA	NA	NA	NA	NA	NA	97.0	NA
District of Columbia	NA	—	NA	—	NA	—	28.2	—
Florida	43.5	NA	39.9	1.6	39.5	1.8	36.4	1.5
Georgia	9.4	5.2	8.8	5.4	6.9	5.5	7.2	5.5
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	87.9	2.2	79.2	NA	86.4	2.2	84.9	1.3
Illinois	45.5	12.4	39.3	NA	45.4	12.0	40.7	10.2
Indiana	85.1	13.0	NA	7.6	84.4	11.1	77.4	11.3
Iowa	81.1	8.6	80.0	6.7	82.9	9.0	88.8	^R 11.3
Kansas	60.3	1.3	57.7	NA	58.1	2.4	54.3	2.4
Kentucky	80.6	17.8	75.1	16.0	78.6	16.3	77.3	16.6
Louisiana	97.6	NA	NA	8.6	NA	9.0	NA	8.0
Maine	93.8	6.5	NA	NA	NA	100.0	NA	100.0
Maryland	39.0	9.3	NA	NA	NA	10.9	31.7	NA
Massachusetts	NA	NA	NA	NA	NA	NA	57.5	NA
Michigan	68.0	15.1	63.6	NA	64.8	17.2	61.5	10.7
Minnesota	94.7	43.2	NA	NA	93.2	42.2	95.9	^R 37.8
Mississippi	95.8	23.1	NA	25.6	96.9	24.9	NA	24.9
Missouri	83.0	15.7	76.1	14.2	80.1	^R 16.9	74.8	12.3
Montana	84.3	4.2	75.3	NA	81.9	NA	77.1	2.2
Nebraska	67.2	21.5	61.3	13.3	65.7	16.7	69.1	16.1
Nevada	78.4	25.9	78.9	35.9	72.9	30.3	68.8	24.4
New Hampshire	NA	NA	NA	NA	NA	NA	76.1	91.9
New Jersey	58.0	22.8	46.8	NA	53.5	NA	52.0	21.3
New Mexico	NA	NA	NA	11.9	71.8	11.9	NA	10.8
New York	49.4	14.2	NA	9.0	49.0	^R 13.2	NA	^R 6.2
North Carolina	NA	36.1	90.1	37.4	92.7	37.2	88.6	38.3
North Dakota	97.2	53.2	NA	NA	93.4	19.0	93.4	20.5
Ohio	37.3	4.7	36.0	2.4	40.6	4.1	38.5	3.0
Oklahoma	80.0	3.5	NA	3.0	76.6	3.4	72.7	2.6
Oregon	98.6	13.7	95.9	14.1	98.6	12.5	98.2	12.3
Pennsylvania	NA	8.6	56.0	6.0	61.9	9.4	58.6	6.7
Rhode Island	NA	NA	NA	67.0	92.2	^R 58.7	89.5	96.8
South Carolina	NA	81.3	98.3	82.7	98.6	76.5	98.0	78.4
South Dakota	86.6	NA	NA	45.1	83.9	70.9	79.7	66.7
Tennessee	91.7	25.3	NA	NA	90.1	24.1	83.3	^R 20.6
Texas	83.3	47.8	NA	41.4	79.8	^R 43.0	NA	^R 42.0
Utah	89.1	14.6	84.4	13.7	88.6	13.7	87.0	15.1
Vermont	100.0	87.0	100.0	76.5	100.0	86.6	100.0	77.9
Virginia	71.4	20.7	62.2	NA	70.9	25.5	65.7	NA
Washington	80.0	25.4	87.2	27.0	89.9	26.5	89.3	31.1
West Virginia	NA	NA	33.3	23.1	46.4	41.4	34.3	42.0
Wisconsin	79.7	25.4	73.6	21.1	77.6	29.6	78.4	^R 26.1
Wyoming	48.4	NA	72.5	NA	46.8	1.4	49.7	1.2
Total	67.2	22.9	61.3	^R 20.1	66.0	21.1	61.9	19.8

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 2001-2003 — Continued

State	2002							
	October		September		August		July	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	68.1	16.8	71.3	15.6	NA	17.7	70.5	16.2
Alaska	53.6	99.5	58.3	87.3	60.6	78.7	55.2	80.6
Arizona	83.6	38.5	89.0	40.6	88.1	38.4	89.2	39.9
Arkansas	NA	NA	NA	NA	NA	NA	NA	NA
California	68.3	5.1	66.6	4.5	61.8	4.6	61.8	4.4
Colorado	99.6	NA	99.7	NA	99.9	NA	99.7	NA
Connecticut	67.7	48.7	73.7	52.8	78.4	44.0	77.1	^R 33.8
Delaware	96.4	NA	97.8	NA	98.4	6.5	98.6	8.0
District of Columbia	24.1	—	17.4	—	18.0	—	17.6	—
Florida	36.8	1.4	35.2	1.5	35.9	1.4	36.2	1.3
Georgia	8.1	5.1	10.8	5.2	12.6	5.0	10.1	4.9
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	75.8	1.5	78.9	1.3	81.0	NA	79.5	NA
Illinois	38.2	9.0	29.2	6.2	28.0	5.1	28.7	NA
Indiana	72.7	11.2	64.1	5.9	NA	5.5	62.0	4.7
Iowa	89.4	9.2	51.8	4.8	65.5	4.5	64.3	4.7
Kansas	40.2	^R 3.2	50.5	6.8	48.2	NA	46.3	13.8
Kentucky	72.0	15.9	68.7	14.4	71.8	16.9	68.9	15.9
Louisiana	40.0	8.4	49.2	8.3	55.4	7.7	55.5	7.1
Maine	NA	100.0	25.2	100.0	NA	100.0	NA	100.0
Maryland	26.8	5.3	19.5	5.8	NA	NA	19.9	^R 3.2
Massachusetts	48.3	NA	38.1	NA	31.3	NA	40.3	NA
Michigan	53.5	6.5	42.7	4.2	43.1	5.2	45.1	NA
Minnesota	94.1	50.2	77.0	32.7	NA	NA	82.8	NA
Mississippi	93.3	23.6	93.7	23.9	NA	25.4	96.6	23.8
Missouri	56.7	8.0	68.3	9.7	65.8	8.8	67.5	8.3
Montana	76.9	1.2	67.1	0.8	69.7	0.7	66.8	0.9
Nebraska	66.4	13.9	59.2	7.4	63.0	7.0	61.0	6.2
Nevada	65.9	22.4	65.9	20.7	63.1	19.3	63.4	18.6
New Hampshire	NA	NA	NA	36.8	72.4	NA	64.7	NA
New Jersey	34.9	17.8	23.1	17.3	27.1	NA	29.1	NA
New Mexico	62.4	11.1	47.4	14.4	59.7	^R 19.5	60.0	17.4
New York	33.3	6.5	NA	^R 9.1	21.1	6.9	21.1	13.8
North Carolina	87.1	43.3	86.2	44.5	84.6	37.1	86.6	44.4
North Dakota	90.7	16.8	86.8	9.9	NA	11.9	80.6	7.7
Ohio	33.1	1.4	30.1	^R 1.6	33.2	1.4	25.3	1.0
Oklahoma	55.4	1.2	51.2	2.3	53.0	2.2	59.0	1.2
Oregon	97.8	10.8	97.6	10.5	97.5	8.7	97.4	9.8
Pennsylvania	49.7	6.2	46.0	5.9	41.9	4.1	43.2	3.9
Rhode Island	41.4	63.3	55.0	65.6	37.2	^R 67.6	45.1	61.9
South Carolina	100.0	^R 86.3	99.5	86.2	94.3	^R 78.4	99.0	86.6
South Dakota	84.0	63.4	69.8	52.4	73.1	20.2	68.7	14.6
Tennessee	77.6	21.7	75.2	20.5	73.2	^R 19.1	73.2	19.5
Texas	74.8	^R 41.8	73.3	^R 44.6	80.9	44.7	89.1	^R 47.7
Utah	83.4	12.8	76.8	13.6	69.8	13.6	69.4	12.1
Vermont	100.0	74.5	100.0	68.9	100.0	67.3	100.0	68.8
Virginia	57.8	NA	50.1	13.3	53.3	11.1	52.2	10.8
Washington	84.4	25.0	80.3	24.2	80.7	20.3	83.1	27.0
West Virginia	21.8	16.1	15.2	20.2	12.2	19.0	11.0	^R 20.7
Wisconsin	67.9	^R 23.1	50.8	19.3	49.3	14.5	51.4	11.1
Wyoming	55.7	1.7	51.8	1.5	60.7	1.5	30.5	1.4
Total	56.8	19.2	49.9	19.8	48.9	19.5	50.1	21.0

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 2001-2003 — Continued

State	2002							
	June		May		April		March	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	72.2	15.2	72.0	14.2	78.1	15.7	81.8	17.7
Alaska	70.7	79.4	NA	81.3	61.6	99.4	61.5	99.2
Arizona	89.6	45.9	90.3	^R 45.6	92.1	^R 51.3	93.2	NA
Arkansas	NA	NA	NA	NA	NA	NA	NA	NA
California	64.2	4.6	64.5	^R 6.4	68.0	^R 4.9	72.1	^R 5.9
Colorado	99.5	NA	99.6	NA	NA	NA	99.5	NA
Connecticut	73.8	46.2	71.2	48.8	61.2	NA	85.2	NA
Delaware	98.4	10.4	98.3	14.7	98.3	11.8	97.9	14.0
District of Columbia	19.9	—	20.8	—	21.6	—	22.6	—
Florida	38.2	^R 1.7	39.2	1.4	40.4	1.4	43.7	1.6
Georgia	11.0	5.4	10.1	5.0	11.7	5.5	9.8	^R 6.1
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	76.2	1.9	79.0	0.9	73.2	2.4	75.6	2.6
Illinois	27.3	6.8	34.6	7.2	37.9	9.8	41.0	10.6
Indiana	68.6	5.5	81.5	4.7	75.9	5.7	78.9	9.0
Iowa	67.3	4.7	77.1	^R 4.3	83.2	5.3	80.7	7.2
Kansas	51.1	9.5	53.6	7.3	62.7	7.3	63.1	3.7
Kentucky	71.3	14.5	71.5	13.7	72.6	16.2	68.0	17.6
Louisiana	68.3	9.4	76.7	10.0	66.8	9.4	67.1	8.6
Maine	37.8	100.0	NA	100.0	NA	100.0	50.2	100.0
Maryland	NA	NA	25.1	^R 5.8	20.3	NA	29.7	^R 13.0
Massachusetts	34.3	NA	39.1	NA	46.7	NA	56.4	NA
Michigan	54.5	5.6	58.1	8.0	65.5	11.1	76.1	13.7
Minnesota	86.4	23.6	91.8	41.5	84.2	30.7	NA	^R 36.1
Mississippi	96.7	25.9	95.8	^R 23.7	95.0	26.9	96.1	27.2
Missouri	70.1	8.8	53.9	9.1	82.2	14.1	85.8	23.0
Montana	66.0	1.3	69.8	2.1	73.2	NA	81.8	3.7
Nebraska	51.2	20.6	50.1	12.7	51.5	15.0	58.7	25.4
Nevada	84.5	41.8	84.5	46.0	86.0	39.6	87.3	60.8
New Hampshire	NA	51.9	75.7	38.7	79.0	NA	84.2	NA
New Jersey	36.9	17.6	29.3	18.0	49.7	20.7	53.8	22.6
New Mexico	61.4	16.6	50.5	^R 14.9	54.0	11.9	63.7	8.8
New York	29.0	^R 8.2	36.8	^R 10.7	44.4	9.8	48.4	8.5
North Carolina	89.1	43.3	87.0	^R 44.5	89.7	^R 39.3	90.6	27.1
North Dakota	81.8	NA	52.1	10.9	91.9	14.8	NA	18.1
Ohio	25.7	1.1	30.0	1.2	34.8	^R 3.0	33.8	3.3
Oklahoma	62.2	1.8	59.8	2.2	73.4	3.1	81.5	4.6
Oregon	97.9	10.8	98.4	12.3	98.5	18.9	98.9	19.9
Pennsylvania	44.0	4.5	47.1	4.7	54.9	4.8	57.7	5.7
Rhode Island	50.8	82.2	51.3	55.4	56.4	67.9	NA	62.9
South Carolina	98.6	^R 82.4	100.0	86.4	99.7	83.6	97.0	79.8
South Dakota	74.0	20.1	80.0	37.9	85.3	43.1	89.3	36.7
Tennessee	NA	NA	85.1	^R 22.6	91.4	^R 21.2	91.9	28.7
Texas	89.3	^R 48.3	89.3	^R 43.6	73.4	^R 48.9	75.3	30.0
Utah	73.3	13.4	72.9	13.1	78.5	^R 15.8	90.3	12.7
Vermont	100.0	68.9	100.0	74.5	100.0	79.8	100.0	80.2
Virginia	51.6	9.8	58.7	14.2	58.9	14.2	61.8	18.5
Washington	90.4	24.0	92.4	29.5	92.5	32.2	93.5	28.9
West Virginia	15.0	^R 16.7	21.7	^R 17.0	37.4	^R 20.0	44.5	15.8
Wisconsin	60.2	13.3	69.1	16.9	74.9	19.2	78.9	23.6
Wyoming	91.7	1.3	96.1	2.0	92.1	NA	89.4	2.9
Total	53.9	22.8	57.0	21.3	61.4	23.5	65.8	17.9

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 2001-2003 — Continued

State	2002				2001			
	February		January		Total		December	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	80.9	17.5	76.0	19.0	^R 82.5	^R 22.2	^R 77.9	^R 21.9
Alaska	58.9	99.2	59.8	^R 99.3	^R 60.5	^R 96.2	^R 60.0	^R 99.3
Arizona	94.6	^R 55.2	95.7	^R 56.1	^R 92.6	^R 46.4	^R 95.8	^R 55.3
Arkansas	65.5	3.5	NA	4.2	^R 87.0	^R 6.0	^R 90.7	^R 5.4
California	69.0	^R 6.3	69.2	^R 5.3	^R 62.6	^R 9.1	^R 68.0	^R 8.0
Colorado	99.2	NA	88.6	NA	^R 95.6	^R 2.5	100.0	^R 0.5
Connecticut	NA	NA	72.0	^R 42.5	^R 77.5	^R 53.2	^R 85.7	^R 50.9
Delaware	98.1	13.3	97.6	12.6	^R 98.3	^R 16.1	^R 98.0	^R 16.3
District of Columbia	23.8	—	23.8	—	^R 22.4	—	^R 22.1	—
Florida	44.6	2.5	47.7	1.6	^R 56.6	^R 3.8	^R 50.4	^R 4.0
Georgia	8.1	^R 5.9	8.3	5.7	^R 20.0	^R 19.9	^R 13.7	^R 19.7
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	78.6	2.8	79.9	2.6	^R 86.3	2.2	^R 86.6	^R 2.3
Illinois	43.1	10.7	41.3	^R 11.4	^R 41.1	9.9	^R 42.5	12.1
Indiana	76.2	7.2	76.9	7.5	^R 77.1	7.7	^R 80.9	^R 10.2
Iowa	82.4	4.6	79.6	^R 7.5	^R 82.0	7.4	^R 82.6	9.8
Kansas	64.0	2.9	60.9	^R 2.8	^R 62.1	^R 9.3	^R 56.4	^R 4.4
Kentucky	77.1	^R 16.7	81.9	^R 16.4	^R 81.8	^R 18.7	^R 78.8	^R 16.9
Louisiana	66.4	9.1	61.2	8.5	^R 82.3	^R 8.3	^R 81.7	^R 9.1
Maine	53.3	NA	57.4	100.0	100.0	^R 8.1	100.0	^R 3.6
Maryland	34.0	^R 11.3	36.3	10.3	^R 32.6	8.5	^R 36.5	10.3
Massachusetts	50.2	NA	55.3	29.3	^R 62.1	26.3	^R 51.3	21.8
Michigan	68.7	12.9	68.5	14.0	^R 63.5	^R 11.2	^R 68.4	^R 11.9
Minnesota	90.8	16.0	93.2	21.3	^R 98.3	^R 41.9	^R 95.9	^R 41.2
Mississippi	95.9	29.5	97.4	27.4	^R 95.7	28.8	^R 95.6	^R 31.1
Missouri	80.4	24.4	80.1	^R 19.6	^R 80.8	^R 16.5	^R 78.0	^R 32.9
Montana	73.6	3.0	74.6	3.1	^R 76.1	2.2	81.5	3.0
Nebraska	57.5	16.6	75.0	19.4	^R 63.7	^R 18.0	^R 57.6	^R 18.7
Nevada	88.7	^R 46.1	88.0	60.0	^R 73.9	^R 33.3	88.9	^R 68.2
New Hampshire	84.0	NA	84.5	32.1	^R 86.6	^R 13.0	^R 95.8	^R 16.5
New Jersey	55.3	21.4	59.7	^R 24.3	^R 59.1	^R 21.6	^R 58.8	21.1
New Mexico	75.9	4.9	78.2	4.3	^R 68.2	^R 14.6	^R 73.4	^R 6.0
New York	49.3	^R 9.1	50.4	8.9	^R 45.7	^R 10.8	^R 53.6	^R 9.7
North Carolina	91.6	25.1	92.7	29.9	^R 94.0	^R 30.5	^R 91.7	^R 30.7
North Dakota	92.8	15.4	93.3	14.4	^R 90.1	^R 9.8	93.2	^R 17.9
Ohio	37.1	^R 3.8	41.3	3.3	^R 41.8	^R 6.4	^R 39.2	^R 6.4
Oklahoma	74.5	5.4	NA	4.9	^R 71.3	^R 3.1	^R 77.0	^R 2.5
Oregon	98.9	20.4	83.7	18.5	99.3	^R 21.5	^R 99.1	^R 21.5
Pennsylvania	60.4	6.8	62.7	^R 7.2	^R 63.0	^R 9.9	^R 61.6	^R 8.4
Rhode Island	61.1	48.3	NA	53.4	58.0	^R 27.3	52.4	^R 13.6
South Carolina	97.2	^R 82.7	98.4	^R 85.7	^R 97.5	^R 82.1	^R 96.8	^R 84.4
South Dakota	85.3	50.0	NA	46.3	^R 84.2	^R 42.1	^R 85.9	^R 44.5
Tennessee	93.7	24.4	88.5	^R 24.2	^R 93.6	^R 36.2	^R 93.1	^R 38.4
Texas	90.8	^R 31.2	91.9	^R 29.3	^R 85.3	^R 28.7	^R 91.0	^R 28.2
Utah	87.1	^R 13.9	87.3	^R 14.0	^R 84.4	^R 10.4	^R 86.1	^R 13.8
Vermont	100.0	79.9	100.0	79.3	100.0	^R 75.4	100.0	^R 79.0
Virginia	66.0	19.8	64.4	16.7	^R 65.8	17.3	^R 64.4	^R 15.4
Washington	93.6	28.1	73.2	25.4	94.0	37.8	97.3	45.7
West Virginia	51.0	^R 15.3	45.8	16.8	^R 63.9	^R 16.6	^R 41.5	^R 62.1
Wisconsin	78.5	21.5	78.4	23.2	^R 77.3	^R 19.2	^R 84.2	^R 22.8
Wyoming	91.4	2.0	83.0	1.8	^R 86.5	^R 2.5	^R 96.2	^R 1.8
Total	65.6	18.1	66.8	17.6	^R65.8	^R19.3	^R67.9	^R19.4

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 2001-2003 — Continued

State	2001							
	November		October		September		August	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	R76.9	R22.1	R74.3	R20.8	R76.7	R21.4	R77.5	R21.8
Alaska	R60.0	99.3	R57.0	94.9	R60.4	94.4	R59.9	89.6
Arizona	R93.8	R54.8	R94.3	R54.6	R93.1	R43.8	R91.4	R41.4
Arkansas	R87.1	R5.3	R82.7	R5.6	R80.2	R4.0	R79.2	R3.8
California	R63.2	R8.2	R63.5	R8.0	R60.3	R6.4	R60.3	R6.7
Colorado	100.0	R1.3	R97.9	R1.5	100.0	R5.8	100.0	R9.1
Connecticut	R78.3	R58.1	71.2	R73.2	R82.4	R54.8	71.6	R57.7
Delaware	R97.8	R14.9	R98.2	R11.7	R98.7	R14.2	R98.3	R11.6
District of Columbia	R19.4	—	R18.4	—	R16.4	—	R23.5	—
Florida	R46.6	R3.3	R46.6	R2.5	R47.6	R2.5	R51.5	R2.9
Georgia	R19.0	R19.5	R13.9	R17.5	R19.5	R16.4	R20.9	R18.0
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	R83.3	R1.8	R76.3	R1.5	R81.7	1.6	R79.3	R1.8
Illinois	R36.8	R10.3	R37.0	R8.7	R32.7	R7.5	R28.3	R6.1
Indiana	R72.6	R6.6	R69.0	R8.3	R64.1	5.5	R64.6	R4.0
Iowa	R76.5	R10.8	R73.4	R7.8	R60.9	R5.4	R82.3	R4.5
Kansas	R47.8	R8.0	R48.5	R7.7	R53.8	R16.5	R51.1	R21.2
Kentucky	R79.7	R16.5	R75.5	R19.6	R73.7	R17.3	R76.8	R17.4
Louisiana	R82.7	R10.0	R81.1	R8.6	R81.1	R9.0	R82.5	R9.6
Maine	100.0	R4.5	100.0	R8.9	100.0	R4.5	100.0	R12.4
Maryland	R26.8	R6.6	R27.9	7.0	R17.4	R6.3	R21.1	R6.3
Massachusetts	R58.9	R29.5	R48.8	R18.6	R51.8	R18.5	R52.3	R10.3
Michigan	R61.9	R9.9	R57.4	R7.3	R49.4	R5.9	R40.4	R5.8
Minnesota	R98.1	R30.3	R98.7	R52.1	R98.8	R38.1	R97.8	R46.1
Mississippi	R95.3	31.3	R96.2	R21.2	R96.1	R28.5	R94.2	R30.2
Missouri	R71.2	R12.4	R68.8	R10.2	R68.0	R9.5	R66.0	R8.1
Montana	75.4	1.9	R75.1	1.2	67.7	1.0	R69.9	R0.8
Nebraska	R61.7	R12.0	R71.7	R18.6	R61.0	R13.3	R64.2	R12.9
Nevada	R85.4	R48.4	82.9	R41.7	R78.8	R31.7	R70.6	R31.5
New Hampshire	R98.9	R17.5	R51.2	R14.1	R52.2	R13.7	R45.2	R8.5
New Jersey	R56.2	15.6	R53.3	16.8	R45.6	R18.5	46.0	R15.6
New Mexico	R70.7	R8.8	R59.2	R8.3	R64.0	R11.8	R65.8	R12.4
New York	R50.0	R15.5	R39.4	4.8	R24.1	4.2	R24.0	10.2
North Carolina	R90.4	R27.3	R88.2	R17.7	R86.4	R21.4	R85.8	R30.1
North Dakota	R90.8	R13.4	R89.1	R12.1	R84.3	R8.0	R84.0	R4.7
Ohio	R40.1	R5.6	R36.4	R2.9	R25.1	R1.2	R28.5	R4.8
Oklahoma	R65.1	R2.4	R58.8	R1.5	R57.6	R1.7	R49.1	R1.8
Oregon	100.0	R20.6	100.0	R21.1	R90.2	R24.2	99.3	R26.8
Pennsylvania	R59.4	R7.3	R55.7	R8.8	R53.1	R8.2	R54.8	R7.5
Rhode Island	49.4	R29.3	R41.8	26.8	47.3	R22.4	R46.1	R26.2
South Carolina	R96.4	R82.4	R94.2	R79.8	R95.4	R80.3	R96.5	R80.2
South Dakota	82.0	45.5	80.2	R33.3	R75.5	R24.1	75.3	R26.5
Tennessee	R92.2	R37.7	R88.3	R29.3	R88.7	R35.5	R86.2	R33.6
Texas	R88.5	R28.8	R87.8	R29.6	R89.0	R30.9	R83.3	R28.6
Utah	R83.1	R11.0	R80.5	R9.2	R78.5	R9.4	R75.1	R11.5
Vermont	100.0	R76.0	100.0	R73.3	100.0	R70.7	100.0	R67.7
Virginia	R57.8	11.2	R59.0	24.1	R52.5	R15.0	R49.3	R12.9
Washington	93.5	R46.1	93.8	45.8	88.3	34.6	87.4	34.8
West Virginia	R71.7	R7.0	R32.2	R60.8	R53.3	R5.9	R53.8	R8.9
Wisconsin	R76.7	R19.7	R73.9	R15.7	R61.4	R10.8	R57.8	R12.3
Wyoming	R65.7	R2.2	R86.0	R2.3	R90.0	R2.0	R79.9	R2.0
Total	R64.8	R18.7	R59.9	R18.7	R53.8	R18.2	53.6	R18.0

See footnotes at end of table.

Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 2001-2003 — Continued

State	2001							
	July		June		May		April	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama	R77.4	R21.0	R76.6	R21.1	R78.8	R19.5	R84.9	R22.1
Alaska	R60.1	R90.5	R63.1	R92.7	R57.8	R97.1	R60.0	99.7
Arizona	R92.6	R48.5	93.9	R48.3	92.7	R45.0	R89.2	R46.7
Arkansas	R71.2	R5.5	R79.4	R4.9	R86.5	R6.6	R79.5	R4.6
California	R59.8	R6.6	R66.2	R7.7	R62.7	R9.0	R51.9	R10.4
Colorado	R98.7	R9.7	100.0	R4.0	R98.2	R2.1	R98.2	R0.6
Connecticut	77.8	R33.4	83.8	R43.5	77.5	R57.9	R73.2	R49.3
Delaware	R98.4	R15.1	R98.2	R20.4	R98.4	R14.8	R98.6	R13.0
District of Columbia	R16.2	—	R18.2	—	R20.6	—	R20.8	—
Florida	R52.3	R1.9	R55.5	R3.6	R59.3	R5.9	R63.4	R4.7
Georgia	R20.1	R17.1	R23.1	R19.2	R23.5	R19.8	R26.8	R18.5
Hawaii	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho	R79.0	1.5	R82.6	1.6	R86.1	1.9	R85.5	R2.2
Illinois	R30.9	R5.8	R29.8	R6.7	R34.5	R7.1	R41.4	R8.9
Indiana	R58.9	5.2	R69.1	R3.7	R66.2	R4.2	R78.1	R7.1
Iowa	R71.6	5.9	R72.2	R3.3	R70.5	R6.3	R77.9	R5.5
Kansas	R52.6	R18.1	R54.8	R9.4	R57.3	R7.9	R68.8	R2.9
Kentucky	R73.5	R17.4	R71.4	R15.8	R73.1	R17.8	R77.4	R13.8
Louisiana	R82.0	R9.1	R82.9	R5.9	R83.4	7.3	R84.1	8.1
Maine	100.0	R17.1	100.0	R14.7	100.0	R7.6	100.0	R5.5
Maryland	R21.7	R9.7	R22.6	R4.5	R24.0	R6.7	R30.3	R7.2
Massachusetts	R56.2	R14.1	R52.5	R18.9	R55.5	R23.2	R64.7	R27.7
Michigan	R41.9	R5.4	R48.5	R5.7	R58.0	R9.0	R62.8	R13.3
Minnesota	R98.9	R40.4	R99.5	R40.4	R97.8	R36.9	R98.7	R43.1
Mississippi	R93.9	R27.5	R94.5	R33.3	R93.2	R25.6	R95.6	R32.8
Missouri	R68.2	R9.5	R70.4	R10.2	R72.1	R11.1	R82.9	R14.4
Montana	R68.7	R0.9	R69.1	1.9	68.7	2.3	R75.2	R2.6
Nebraska	R63.5	R8.3	R58.6	R16.7	R54.2	R19.7	R56.1	R21.0
Nevada	R82.2	R38.9	R55.1	R12.9	R58.3	R13.2	R64.4	R19.7
New Hampshire	R83.8	R3.7	R88.4	R5.0	R70.0	R9.9	R91.1	R15.4
New Jersey	R47.6	18.6	47.3	R19.6	R51.0	21.2	60.4	R21.9
New Mexico	R63.0	R10.2	R63.2	R10.7	R66.3	R13.0	R56.0	R40.4
New York	R24.3	9.2	R32.4	10.0	R36.3	10.4	R56.0	R11.3
North Carolina	R86.8	R27.2	R87.0	R28.6	R91.3	R30.0	R95.3	R41.8
North Dakota	R83.7	1.1	R81.9	R5.5	R85.7	R5.8	R88.8	R8.2
Ohio	R28.2	R1.5	R29.3	R3.4	R28.4	R3.9	R42.0	R6.2
Oklahoma	R44.7	R1.9	R60.7	R2.2	R64.3	R2.0	R71.8	R3.4
Oregon	99.2	R23.6	R99.3	R20.7	99.2	R20.5	99.4	R20.3
Pennsylvania	R56.2	R7.3	R57.9	R5.1	R58.7	R7.7	R63.2	R10.2
Rhode Island	R44.0	R26.0	52.6	R29.3	60.2	R29.0	63.9	R37.6
South Carolina	R96.5	R80.2	R96.7	R80.8	R97.1	R77.6	R98.5	R82.0
South Dakota	R75.7	R28.6	78.2	R32.7	83.9	R35.1	84.1	R50.8
Tennessee	R88.0	R33.1	R90.3	R29.6	R90.8	R32.1	R94.3	R33.7
Texas	R79.0	R30.1	R84.0	R28.0	R78.6	R26.8	R83.1	R28.0
Utah	R76.3	R10.1	R76.7	R9.5	R79.9	R9.5	R84.4	R10.1
Vermont	100.0	R65.6	100.0	R67.8	100.0	69.2	100.0	R79.2
Virginia	R50.3	10.9	R57.3	R23.5	R54.7	R13.3	R66.0	R18.6
Washington	89.9	R26.9	91.6	30.7	R90.0	30.9	96.0	R33.6
West Virginia	R57.0	R7.7	R49.0	R7.3	R59.8	R8.2	R76.2	R8.6
Wisconsin	R69.8	R12.1	R68.9	R11.0	R69.6	R12.4	R76.4	R18.1
Wyoming	R85.0	R1.8	97.2	R2.1	R93.7	R1.9	R92.4	R2.8
Total	R54.2	R18.5	R59.3	R17.6	R60.7	R17.9	R66.3	R19.5

^R Revised Data.

^{NA} Not Available.

— Not Applicable.

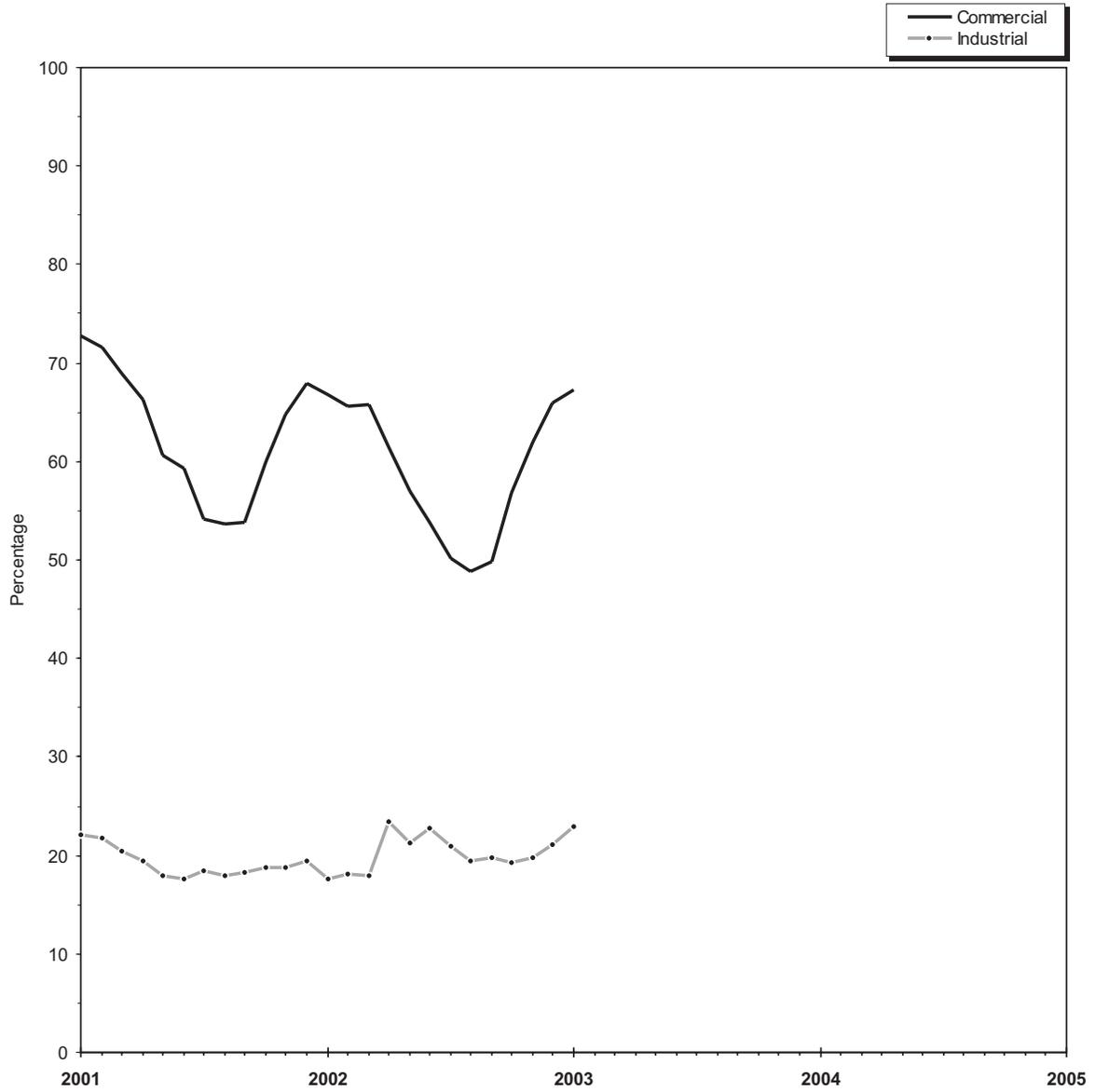
Notes: Volumes of natural gas reported for the commercial and industrial sectors in this publication include data for both sales and deliveries for the account of others. This table shows the percent of the total State volume that represents natural gas sales to the commercial and

industrial sectors. This information may be helpful in evaluating commercial and industrial price data which are based on sales data only. See Appendix C, Statistical Considerations, for a discussion of the computation of natural gas prices.

Source: Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Figure 6

Figure 6. Percentage of Total Deliveries Represented by Onsystem Sales, 2001-2003



Source: Table 25.

Table 26. Gas Home Customer-Weighted Heating Degree-Days

Census Divisions	November 1 through November 30					December 1 through December 31				
	Normal ^a	2001	2002	Percent Change		Normal ^a	2001	2002	Percent Change	
				Normal to 2002	2001 to 2002				Normal to 2002	2001 to 2002
New England										
CT, ME, MA, NH, RI, VT	700	596	763	9.0	28.0	1,041	868	1,030	-1.1	18.7
Middle Atlantic										
NJ, NY, PA	665	497	742	11.6	49.3	996	804	1,012	1.6	25.9
East North Central										
IL, IN, MI, OH, WI	756	508	776	2.6	52.8	1,133	929	1,029	-9.2	10.8
West North Central										
IA, KS, MN, MO, ND, NE, SD	830	528	840	1.2	59.1	1,235	1,021	1,023	-17.2	0.2
South Atlantic										
DE, FL, GA, MD and DC, NC, SC, VA, WV	437	311	504	15.3	62.1	692	552	714	3.2	29.3
East South Central										
AL, KY, MS, TN	447	306	531	18.8	73.5	712	583	690	-3.1	18.4
West South Central										
AR, LA, OK, TX	303	215	371	22.4	72.6	535	460	470	-12.1	2.2
Mountain										
AZ, CO, ID, MT, NV, NM, UT, WY	747	615	721	-3.5	17.2	1,006	994	883	-12.2	-11.2
Pacific ^b										
CA, OR, WA	350	306	239	-31.7	-21.9	513	515	389	-24.2	-24.5
U.S. Average ^b	581	421	596	2.6	41.6	874	744	796	-8.9	7.0

Census Divisions	January 1 through January 31					February 1 through February 28				
	Normal ^a	2002	2003	Percent Change		Normal ^a	2002	2003	Percent Change	
				Normal to 2003	2002 to 2003				Normal to 2003	2002 to 2003
New England										
CT, ME, MA, NH, RI, VT	1,205	977	1,282	6.4	31.2	1,026	865	1,077	5.0	24.5
Middle Atlantic										
NJ, NY, PA	1,156	910	1,264	9.3	38.9	981	809	1,082	10.3	33.7
East North Central										
IL, IN, MI, OH, WI	1,301	1,000	1,294	-0.5	29.4	1,059	881	1,094	3.3	24.2
West North Central										
IA, KS, MN, MO, ND, NE, SD	1,375	1,089	1,276	-7.2	17.2	1,066	897	1,101	3.3	22.7
South Atlantic										
DE, FL, GA, MD and DC, NC, SC, VA, WV	794	653	840	5.8	28.6	631	580	632	0.2	9.0
East South Central										
AL, KY, MS, TN	818	671	886	8.3	32.0	622	624	601	-3.4	-3.7
West South Central										
AR, LA, OK, TX	609	503	573	-5.9	13.9	427	472	410	-4.0	-13.1
Mountain										
AZ, CO, ID, MT, NV, NM, UT, WY	1,035	1,001	757	-26.9	-24.4	811	814	793	-2.2	-2.6
Pacific ^b										
CA, OR, WA	514	540	312	-39.3	-42.2	398	373	351	-11.8	-5.9
U.S. Average ^b	981	810	938	-4.4	15.8	784	692	800	2.0	15.6

See footnotes at end of table.

**Table 26. Gas Home Customer-Weighted Heating Degree-Days
— Continued**

Census Divisions	March 1 through March 31					Cumulative November 1 through March 31				
	Normal ^a	2002	2003	Percent Change		Normal ^a	2001-2002	2002-2003	Percent Change	
				Normal to 2003	2002 to 2003				Normal to 2003	2002 to 2003
New England										
CT, ME, MA, NH, RI, VT	884	738	839	-5.1	13.7	4,856	4,044	4,991	2.8	23.4
Middle Atlantic										
NJ, NY, PA	824	686	765	-7.2	11.5	4,622	3,706	4,865	5.3	31.3
East North Central										
IL, IN, MI, OH, WI	863	828	820	-5.0	-1.0	5,112	4,146	5,013	-1.9	20.9
West North Central										
IA, KS, MN, MO, ND, NE, SD	846	907	793	-6.3	-12.6	5,352	4,442	5,033	-6.0	13.3
South Atlantic										
DE, FL, GA, MD and DC, NC, SC, VA, WV	478	383	384	-19.7	0.3	3,032	2,479	3,074	1.4	24.0
East South Central										
AL, KY, MS, TN	451	388	348	-22.8	-10.3	3,050	2,572	3,056	0.2	18.8
West South Central										
AR, LA, OK, TX	274	269	246	-10.2	-8.6	2,148	1,919	2,070	-3.6	7.9
Mountain										
AZ, CO, ID, MT, NV, NM, UT, WY	704	715	614	-12.8	-14.1	4,303	4,139	3,768	-12.4	-9.0
Pacific ^b										
CA, OR, WA	380	358	305	-19.7	-14.8	2,155	2,092	1,596	-25.9	-23.7
U.S. Average ^b	640	597	579	-9.5	-3.0	3,860	3,264	3,709	-3.9	13.6

^a Normal is based on calculations of data from 1961 through 1990.

^b Excludes Alaska and Hawaii.

Note: See Appendix A, Explanatory Note 10 for discussion of Heating Degree-Days computations.

Sources: National Oceanic and Atmospheric Administration.

Appendix A

Explanatory Notes

The Energy Information Administration (EIA) publishes monthly data for the supply and disposition of natural gas in the United States in the *Natural Gas Monthly (NGM)*. The information in this Appendix is provided to assist users in understanding the monthly data. Table A1 lists the methodologies for deriving the data to be published for the most recent months shown in Tables 1-3. The following explanatory notes describe sources for all *NGM* tables.

Note 1. Production

Annual Data

Natural gas production data are collected from 32 gas-producing States on the voluntary Form EIA-895 "Monthly Quantity and Value of Natural Gas Report." The form requests data on gross withdrawals, gas vented and flared, repressuring, nonhydrocarbon

Table A1. Methodology for Most Recent Monthly Natural Gas Supply and Disposition Data of Table 1-3

Components	Reporting Methodology
Supply and Disposition	
Marketed Production	Derived from the Short-Term Energy Outlook
Extraction Loss	Derived from Marketed Production
Dry Production	Marketed Production minus Extraction Loss
Withdrawals from Storage	Reported on Form EIA-191
Supplemental Gaseous Fuels	Derived from supply estimates and coal gasification information
Imports	Estimated from National Energy Board of Canada information and liquefied natural gas information
Additions to Storage	Reported on Form EIA-191
Exports	Estimated from industry trends and liquefied natural gas information
Current-Month Consumption	Reported on Form EIA-857, Form EIA-906, and other sources below.
Consumption by Sector	
Lease and Plant Fuel	Derived from Marketed Production
Pipeline Fuel	Derived from Deliveries to Consumers
Residential	Estimated from sample data reported on Form EIA-857
Commercial	Estimated from sample data reported on Form EIA-857
Industrial	Estimated from sample data reported on Form EIA-857
Electric Power	Estimated from sample data reported on Form EIA-906
Vehicle Fuel	Derived from annual estimates provided by the Coal, Nuclear and Renewable Fuels Division of EIA

gases removed, fuel used on leases, marketed production (wet), and extraction loss. The U.S. Minerals Management Service (MMS) also supplies data on the quantity and value of natural gas production from the federal waters of the Gulf of Mexico.

Monthly Data

State marketed production data are derived from State data submissions, State and MMS websites reporting natural gas production, and EIA estimates. State marketed production data for a particular month are estimated if data are unavailable at the time of publication. For most States, the data are estimated based on final monthly data reported on the Form EIA-895 for the previous year. Monthly State estimates for nonhydrocarbon gas removed, gas used for repressuring, and gas vented and flared are based on the ratio of the item to gross withdrawals as reported on the annual EIA-895. These ratios are applied to the monthly estimates for gross withdrawals to calculate figures for nonhydrocarbon gases removed, gas used for repressuring, and gas vented and flared. Current monthly estimates for gross withdrawals are calculated from final monthly data filed on Form EIA-895 for the previous year, if necessary. The Reserves and Production Division of the Office of Oil and Gas, EIA, provides estimates of marketed production for the States of Texas, Louisiana, and Oklahoma.

All monthly data are considered preliminary until after publication of the *Natural Gas Annual (NGA)* for the year in which the report month falls. Volumetric data are converted, as necessary, to a standard 14.73 psia pressure base. Data are revised as Table 7 monthly data are updated. Final monthly data are the sums of monthly data reported on the Form EIA-895 annual schedule.

Note 2. Nonhydrocarbon Gases Removed

Annual Data

Data on nonhydrocarbon gases removed from marketed production—carbon dioxide, helium, hydrogen sulfide, and nitrogen are reported by State agencies on Form EIA-895. Ten of the 32 producing States reported data on nonhydrocarbon gases removed during 2001. These 10 States accounted for 59 percent of total 2001 gross withdrawals. The State of Missouri has reported zero gross withdrawals since 1997.

Monthly Data

All monthly data are considered preliminary until after publication of the NGA for the year in which the report month falls. Monthly State estimates of nonhydrocarbon gases removed are prepared by EIA

based on annual data reported on Form EIA-895, if necessary. Each State's annual percentage of nonhydrocarbon gases removed to gross withdrawals reported is applied to the States monthly gross withdrawal data to produce an estimate of nonhydrocarbon gases removed.

For States not supplying monthly data on the annual schedule of the EIA-895, final monthly data are calculated by allocating the final annual volume to the months in the same proportion as the preliminary monthly data.

Note 3. Extraction Loss

Annual Data

Extraction loss data are calculated from data reported on Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production". For a fuller discussion, see the NGA.

Monthly Data

Preliminary data are estimated based on extraction loss as an annual percentage of marketed production. This percentage is applied to each month's marketed production to estimate monthly extraction loss.

Monthly data are revised after the publication of the NGA. Final monthly data are estimated by allocating annual extraction loss data to each month based on its total natural gas marketed production.

Note 4. Supplemental Gaseous Fuels

Annual Data

Annual data on supplemental gas fuel supply are reported on Form EIA-176 "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Monthly Data

All monthly data are considered preliminary until after the publication of the NGA for the year in which the report month falls. Monthly estimates are based on the annual ratio of supplemental gaseous fuels to the sum of dry gas production, net imports, and net withdrawals from storage. This ratio is applied to the monthly sum of these three elements to compute a monthly supplemental gaseous fuels figure.

Monthly data are revised after publication of the NGA. Final monthly data are estimated based on the revised annual ratio of supplemental gaseous fuels to the sum of dry gas production, net imports, and net withdrawals

from storage. This revised ratio is applied to the revised monthly sum of these three supply elements to compute final monthly data.

Note 5. Imports and Exports

Annual Data and Final Monthly Data

Annual and final monthly data are supplied by the Office of Fossil Energy, U.S. Department of Energy, "Natural Gas Imports and Exports", which requires monthly data to be reported each quarter for the calendar year.

Monthly Data - Imports

Preliminary monthly import data are based on data from the National Energy Board of Canada and responses to informal industry contacts and EIA estimates. Preliminary data are revised after the publication of the NGA.

Monthly Data - Exports

Preliminary monthly export data are based on historical data from the Office of Fossil Energy, U.S. Department of Energy, "Natural Gas Imports and Exports", informal industry contacts, and information gathered from natural gas industry trade publications. Preliminary monthly data are revised after publication of the NGA.

Note 6. Natural Gas Storage

Note that final monthly and annual storage levels, additions, and withdrawal data shown in Table 2 include both underground and liquefied natural gas (LNG) storage.

Annual Data

Preliminary annual data on additions and withdrawals from underground storage facilities are the sum of the monthly data from the EIA-191. Final annual data are adjusted to data in the EIA-176.

Annual data on LNG additions and withdrawals are from the EIA-176.

Monthly Data

Preliminary and final monthly data on underground storage levels, additions, and withdrawals are from the EIA-191. All operators of underground storage fields complete the survey.

Monthly data on LNG additions and withdrawals are estimated by computing the ratio of each month's underground storage additions and withdrawals to final

annual underground storage additions and withdrawals and applying it to the annual LNG data from the EIA-176.

There are three principal types of underground storage facilities in operation in the United States today: salt caverns (caverns hollowed out in salt "bed" or "dome" formations), depleted fields (depleted reservoirs in oil and/or gas fields), and aquifer reservoirs (water-only reservoirs conditioned to hold natural gas). A storage facility's daily deliverability or withdrawal capability is the amount of gas that can be withdrawn from it in a 24-hour period. Salt cavern storage facilities generally have high deliverability because all of the working gas in a given facility can be withdrawn in a relatively short period of time. (A typical salt cavern cycle is 10 days to deplete working gas, and 20 days to refill working gas.) By contrast, depleted field and aquifer reservoirs are designed and operated to withdraw all working gas over the course of an entire heating season (about 150 days). Further, while both traditional and salt cavern facilities can be switched from withdrawal to injection operations during the heating season, this is usually more quickly and easily done in salt cavern facilities, reflecting their greater operational flexibility.

Note 7. Consumption

Annual Data

All annual data are from the NGA. Total consumption is the sum of the components of consumption listed below. Monthly data are revised after publication of the NGA.

Monthly Data

All monthly data are considered preliminary until after publication of the NGA.

Residential, Commercial, and Industrial Sector Consumption

Preliminary estimates of monthly deliveries of natural gas to residential, commercial, and industrial consumers in 50 States are based on data reported on Form EIA-857 "Monthly Report of Natural Gas Purchases and Deliveries." See Appendix C, "Statistical Considerations," for a detailed explanation of sample selection and estimation procedures. Monthly data for a given year are revised after the publication of the NGA to correct for any sampling error. Final monthly data are estimated by allocating annual consumption data from the Form EIA-176 to each month in proportion to monthly volumes reported in Form EIA-857.

Vehicle Fuel Use

Monthly estimates of natural gas (compressed or liquefied) used as vehicle fuel are derived from an annual estimate of vehicle fuel use provided by the Coal, Nuclear, and Renewable Fuels Division of EIA.

Electric Power Sector Consumption

Monthly estimates of deliveries of natural gas to electric power producers are derived from data submitted by the sample of electric power producers reporting monthly on Form EIA-906, "Power Plant Report." The estimates reported in the NGM represent gas delivered to electricity-only plants (utility and nonutility power producers) and combined heat and power (CHP) plants whose primary business is to sell electricity, or electricity and heat, to the public. For a discussion of these estimates, see the *Electric Power Monthly*.

Pipeline Fuel Consumption

Preliminary monthly estimates are based on the pipeline fuel consumption as an annual percentage of total consumption from the previous years Form EIA-176. This percentage is applied to each months total consumption figure to compute the monthly estimate.

Monthly data are revised after the publication of the NGA. Final monthly data are based on the revised annual ratio of pipeline fuel consumption to total consumption from the Form EIA-176. This ratio is applied to each months revised total consumption figure to compute final monthly pipeline fuel consumption estimates.

Lease and Plant Fuel Consumption

Preliminary monthly data are estimated based on lease and plant fuel consumption as an annual percentage of marketed production. This percentage is applied to each months marketed production figure to compute estimated lease and plant fuel consumption.

Monthly data are revised after publication of the NGA. Final monthly plant fuel data are based on a revised annual ratio of plant fuel consumption to marketed production from Form EIA-176. This ratio is applied to each months revised marketed production figure to compute final monthly plant fuel consumption estimates. Final monthly lease data are collected on the Form EIA-895 and estimates from the Form EIA-176. See the NGA for a complete discussion of this process.

Note 8. Balancing Item

The balancing item category represents the difference between the sum of the components of natural gas supply and the sum of the components of natural gas disposition. These differences may be due to data reporting problems or to issues in survey coverage. Preliminary monthly data in the balancing item category are calculated by subtracting dry gas production, withdrawals from storage, supplemental gaseous fuels, and imports from total disposition. The balancing item may reflect problems in any of the surveys comprising natural gas supply or disposition.

Reporting problems include differences due to the net result of conversions of flow data metered at varying temperatures and pressure bases and converted to a standard temperature and pressure base; the effect of variations in company accounting and billing practices; differences between billing cycles and calendar periods; and imbalances resulting from the merger of data reporting systems, which vary in scope, format, definitions, and type of respondents. Survey coverage problems include incomplete survey frames or problems in sampling design.

Annual data are from the NGA. For an explanation of the methodology used in calculating the annual balancing item, see the NGA.

Note 9. Average Price of Deliveries to Consumers

For most States, price data are representative of prices for gas sold and delivered to residential, commercial, and industrial consumers by local distribution companies. In the States of Georgia, Maryland, New York, and Ohio, the residential and commercial sector prices reported in the NGM include data on prices of gas sold to customers in those sectors by energy marketers. These latter data are collected on Form EIA-910, "Monthly Natural Gas Marketer Survey." Except for these States, none of the prices reflect average prices of natural gas transported to consumers for the account of third parties or "spot-market" prices. Table 25 indicates the percentage of total deliveries in the industrial and commercial sectors represented by on-system sales.

Prices of natural gas delivered to electric utilities are derived from data reported on Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants" as reported in the *Electric Power Monthly*. Data on the price of natural gas delivered to other electric power producers are not available.

Note 10. Average Wellhead Price

Annual Data

Form EIA-895 requests State agencies to report the quantity and value of marketed production. When complete data are unavailable, the form instructs the State agency to report the available aggregate value and the quantity of marketed production associated with this value. A number of States reported volumes of production and associated values for other than marketed production. In addition, information for several States that were unable to provide data was obtained from Form EIA-176. It should be noted that Form EIA-176 reports a fraction of State production. The imputed average value of marketed production in each State is calculated by dividing the States reported aggregate value by its associated production. This unit price is then applied to the quantity of the States marketed production to derive the imputed aggregate value of marketed production.

Monthly Data

Preliminary values for the monthly U.S. natural gas wellhead price are estimated from the New York Mercantile Exchange (NYMEX) futures final settlement price for near-month delivery at the Henry Hub, and reported cash market prices at 5 major trading hubs: Henry Hub, LA; Carthage, TX; Katy, TX; Waha, TX; and Blanco, NM. The NYMEX price is publicly available and is reported in numerous trade publications, including NGI's Daily Gas Price Index (published by Intelligence Press, Inc.). The cash market prices are published in another trade publication, Natural Gas Week (Energy Intelligence Group, Inc.), and they reflect the spot delivered-to-pipeline, volume-weighted average prices for natural gas bought and sold at the specified trading hubs. Prices include process-

ing, gathering, and transportation fees to the hubs. The estimated wellhead prices are derived with a statistical procedure based on analysis of monthly time series data for the period 1995 through 2000. The preliminary estimates are replaced when annual survey data become available, usually about 10 months after the end of the report year.

Final monthly data are provided through the Form EIA-895, which requests State agencies to report monthly values of marketed production. Details of the monthly collection match those described in the preceding section on annual data. Preliminary monthly gas price data are replaced by these final monthly data.

Note 11. Heating Degree-Days

Degree-days are relative measurements of outdoor air temperature. Heating degree-days are deviations of the mean daily temperature below 65 degrees Fahrenheit. A weather station recording a mean daily temperature of 40 degrees Fahrenheit would report 25 heating degree-days. There are several degree-day databases maintained by the National Oceanic and Atmospheric Administration. The information published in the *NGM*, is developed by the National Weather Service Climate Analysis Center, Camp Springs, Maryland.

The data are available weekly with monthly summaries and are based on mean daily temperatures recorded at about 200 major weather stations around the Country. The temperature information recorded at these weather stations is used to calculate Statewide degree-day averages weighted by gas home customers. The State figures are then aggregated into Census Divisions and into the national average.

Appendix B

Data Sources

The data in this publication are taken from survey reports collected by the Energy Information Administration (EIA), the Federal Energy Regulatory Commission (FERC), and the Office of Fossil Energy of the U.S. Department of Energy (DOE). The EIA is the independent statistical and analytical agency within the DOE. The FERC is an independent regulatory commission within the DOE that has jurisdiction primarily in the regulation of electric utilities and the interstate natural gas industry. The Office of Fossil Energy has the authority under Section 3 of the Natural Gas Act of 1938 to grant authorizations for the import and export of natural gas.

Data are collected from annual, quarterly, and monthly surveys. The primary annual report is the Form EIA-176 “Annual Report of Natural and Supplemental Gas Supply and Disposition,” a mandatory survey of all companies that deliver natural gas to consumers or that transport gas across State lines. The Office of Fossil Energy provides quarterly files of monthly data on imports and exports. The monthly reports include surveys of the natural gas industry, surveys of the electric power industry, and a voluntary survey completed by energy or conservation agencies in the gas-producing States. The monthly natural gas industry surveys are the Form EIA-191 filed by companies that operate underground storage facilities, the voluntary Form EIA-895 filed by the gas-producing States and the U.S. Minerals Management Service, the Form EIA-857, filed by a sample of companies that deliver natural gas to consumers, and the Form EIA-910, filed by natural gas marketers in select States. The electric power industry surveys are the Form EIA-906 filed by a sample of electric power generators and the Form FERC-423 filed (for price data) by fossil-fueled electric utilities. Responses to the monthly surveys are mandatory, except for Form EIA-895. A description of the survey respondents, reporting requirements, and processing of the data is given on the following pages for each of the surveys. Copies of the forms and instructions are available on the EIA website.

Form EIA-176, “Annual Report of Natural and Supplemental Gas Supply and Disposition”

The Form EIA-176 is mailed to all identified interstate and intrastate natural gas pipeline companies; investor and municipally owned natural gas distributors; underground natural gas storage operators; synthetic natural gas plant operators; and field, well, or processing plant operators that deliver natural gas directly to consumers (including their own industrial facilities); and/or companies that transport gas across a State border through field or gathering facilities. Each company is required to file if it meets the survey specifications. The mailing in 2002 for report year 2001 totaled approximately 2000 questionnaire packages. While final nonresponse rates vary, the rates have averaged about 1 percent in recent years.

The EIA-176 is a multi-line, multi-page schedule for reporting all supplies of natural gas and supplemental gaseous fuels and their disposition within the State indicated. Respondents file completed forms with EIA in Washington, DC. Data for the report year are due by March 1st. Extensions of the filing deadline for up to 30 days are granted to any respondent upon request.

All natural gas and supplemental gaseous fuels volumes are reported on a physical custody basis in thousand cubic feet (Mcf), and dollar values are reported to the nearest whole dollar. All volumes are reported at 14.73 pounds per square inch absolute pressure (psia) and 60 degrees Fahrenheit.

Data from Form EIA-176 are also published in the Natural Gas Annual. Data reported on this form are no longer considered proprietary. Response to the form continues to be mandatory.

Form EIA-895, “Monthly and Annual Quantity and Value of Natural Gas Report”

Data collection on the Form EIA-895, “Monthly and Annual Quantity and Value of Natural Gas Report,” began in January 1995. This form was designed to replace the Interstate Oil and Gas Compact Commission (IOGCC) voluntary form, “Monthly Report of Natural Gas Production.” All gas-producing States and the U.S. Minerals Management Service are requested to report on the Form EIA-895; a voluntary report. In 1996, an annual schedule was added to the voluntary Form EIA-895 to replace a prior annual production form. The form was designed to provide a standard reporting system, to the extent possible, for the natural gas data reported by the States. Data are not considered proprietary.

Form EIA-895 is mailed to energy or conservation agencies in all 32 natural gas producing States. All producing States participate voluntarily in the EIA-895 survey by filing the completed form or by responding to telephone contacts. Reports on company production are due 20 days after the end of the report month to the States. (In most cases, the data are not available to the States until after this time period.) Therefore, States are requested to send the report within 80 days after the end of the report month. Monthly data are obtained from about half of the reporting States and MMS on this schedule. EIA prepares estimates for the remaining States based on annual data submissions from the States until monthly State data are provided. The annual schedule of the Form EIA-895 is due with the December data report. Of the 32 natural gas producing states, all participated in the annual EIA-895 survey by filing the completed form or by responding to telephone calls.

The Form EIA-895 is a three-page form collecting monthly and annual data on elements of the production of natural gas beginning with gross withdrawals from gas and oil wells. Starting in 2003, the Form EIA-895 also collects information about production of coalbed methane. The commercial recovery of methane from coalbeds contributes a significant amount to the production totals in a number of States. Coalbed methane seams production quantities (in million cubic feet) are included in gross withdrawals totals for the following States: Alabama (113,527), Colorado (386,349), New Mexico (532,081), and Wyoming (253,305) for 2001.

Data are also collected on volumes returned to formation for repressuring, pressure maintenance, and

cycling; quantities vented and flared; quantities of nonhydrocarbon gases removed; quantities of fuel used on lease; and marketed production as well as the monthly volume and value of marketed production. The annual schedule collects data on the number of producing gas wells, the production of natural gas including gross withdrawals from both gas and oil wells; volumes returned to formation for repressuring, pressure maintenance, and cycling; quantities vented and flared; quantities of nonhydrocarbon gases removed; quantities of fuel used on lease; marketed production; the value of marketed production; and quantity of marketed production (value based). Respondents are asked to report all volumes in thousand cubic feet at the States standard pressure base and at 60 degrees Fahrenheit. All dollar values are reported in thousands.

Data on the quantities of nonhydrocarbon gases removed from marketed production in 2001, including carbon dioxide, helium, hydrogen sulfide and nitrogen, were reported by the appropriate agencies of 10 of the 32 producing States. These 10 States accounted for 59 percent of total 2001 gross withdrawals. The State of Missouri has reported zero gross withdrawals since 1997.

State marketed production data are derived from State data submissions, State and MMS websites reporting natural gas production, and EIA estimates. State marketed production data for a particular month are estimated if data are unavailable at the time of publication. For most States, the data are estimated based on final monthly data reported on the Form EIA-895 for the previous year. Monthly State estimates for nonhydrocarbon gas removed, gas used for repressuring, and gas vented and flared are based on the ratio of the item to gross withdrawals as reported on the annual EIA-895. These ratios are applied to the months estimates for gross withdrawals to calculate figures for nonhydrocarbon gases removed, gas used for repressuring, and gas vented and flared. Current monthly estimates for gross withdrawals are calculated from final monthly data filed on Form EIA-895 for the previous year, if necessary. The Reserves and Production Division of the Office of Oil and Gas, EIA, provides estimates of marketed production for the States of Texas, Louisiana, and Oklahoma.

Data from Form EIA-895 are also published in the *EIA Natural Gas Annual*.

Form EIA-191, “Underground Natural Gas Storage Report”

The Form EIA-191, “Monthly Underground Natural Gas Storage Report,” is completed by approximately 122 companies that operate underground facilities. The final monthly and annual response rates are 100 percent. The EIA-191 monthly schedule contains current month data on the total quantities of gas in storage, injections and withdrawals, the location (including State and county, field, reservoir) and peak day withdrawals during the reporting period. The annual schedule contains type of facility, storage field capacity, maximum deliverability and pipelines to which each field is connected. The annual schedule for the prior year is filed with the January submission.

Collection of the survey is on a custody basis. Information requested must be provided within 20 days after the last day of each month. Twelve reports are required per calendar year. Respondents are required to indicate whether the data reported are actual or estimated. For most of the estimated filings, the actual data or necessary revisions are submitted on separate forms for each month. Actual data on natural gas injections and withdrawals from underground storage are based on metered quantities. Data on quantities of gas in storage and on storage capacity represent, in part, reservoir engineering evaluations. All volumes are reported at 14.73 psia and 60 degrees Fahrenheit.

The EIA publications, *Monthly Energy Review* and *Winter Fuels Report*, contain data from the EIA-191 survey.

“Quarterly Natural Gas Import and Export Sales and Price Report”

Beginning in 1995, import and export data have been taken from the “Quarterly Natural Gas Import and Export Sales and Price Report.” This report is prepared by the Office of Fossil Energy, U.S. Department of Energy, based on information submitted by all firms having authorization to import or export natural gas. The Office of Fossil Energy provides authorizations for import or export to applicants under Section 3 of the Natural Gas Act of 1938.

All companies are required, as a condition of their authorizations to file quarterly reports with the Office of Fossil Energy. The data are reported at a monthly level of detail.

Form EIA-857, “Monthly Report of Natural Gas Purchases and Deliveries to Consumers”

Monthly price and volume data on gas deliveries are collected on the Form EIA-857 from a sample of respondents representing the 50 States and the District of Columbia. Response to Form EIA-857 is mandatory and data are considered proprietary. Completed forms are required to be submitted to EIA on or before the 30th day after the end of the report month.

A sample of approximately 400 natural gas companies, including interstate pipelines, intrastate pipelines, and local distribution companies report to the survey. The sample was selected independently for each of the 50 States and the District of Columbia from a frame consisting of all respondents to Form EIA-176 who reported deliveries of natural gas to consumers in the residential, commercial, or industrial sectors. Each selected company is required to complete and file the Form EIA-857 monthly. Each month about half the responses are received by the due date although response rates by first publication of the relevant month are approximately 87 percent. When a response is extremely late, and the company represents less than 25 percent of the natural gas volumes delivered by all sampled companies in the State, values are imputed as described in Appendix C. When the company’s submission is eventually received, the submitted data are used for future processing and revisions. Final response rates are approximately 95 percent.

Form EIA-857 data are used to estimate monthly sales of natural gas (volume and price) by State and monthly deliveries of natural gas on behalf of others (volume) by State to three consumer sectors - residential, commercial, and industrial. (Monthly deliveries of natural gas to electric power generators are reported on the Form EIA-906 “Power Plant Report,” and monthly prices for electric utilities are obtained from FERC-423, “Monthly Report of Cost and Quality of Fuels for Electric Plants.”) See Appendix C for a discussion of the sample design and estimation procedures. Data from Form EIA-857 are also used to calculate the city gate price and the average heat content of all gas consumed.

Form EIA-910, “Monthly Natural Gas Marketer Survey”

The Form EIA-910, “Monthly Natural Gas Marketer Survey” collects information on natural gas sales from marketers in selected States (Georgia, Maryland, New York, Ohio and Pennsylvania) that have active customer choice programs. These States were selected based on the percentage of natural gas sold by marketers in the residential and commercial end-use sectors. The survey collects monthly price and volume data on natural gas sold by all marketers in the selected States. A natural gas marketer is a company that competes with other companies to sell natural gas service, but relies on regulated local distribution companies to deliver the gas. The data collected on

the Form EIA-910 is integrated with residential and commercial price data from the Form EIA-857 for the states of Georgia, Maryland, New York and Ohio. Response to the EIA-910 is mandatory and data are considered proprietary.

Approximately 150 natural gas marketers report to the survey. Final monthly survey response rates are approximately 98 percent. Responses are filed with EIA in Washington, DC on or before the 30th day after the end of the report month.

All natural gas volumes are reported in thousand cubic feet at 14.73 psia at 60 degrees Fahrenheit and dollar values are reported as whole dollar.

Appendix C

Statistical Considerations

The monthly sales (volume and price) and monthly deliveries (volume) of natural gas to residential, commercial and industrial consumers presented in this report by State are estimated from data reported on the Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers." (See Appendix B for a description of this Form.) These estimations must be made from the reported data since the Form EIA-857 is a sample survey. A description of the sample design and the estimation procedures is given below.

Sample Design

The Form EIA-857 is a monthly sample survey of companies delivering natural gas to consumers. It includes inter- and intrastate pipeline companies, and producers, as well as local distribution companies. The survey provides data that are used each month to estimate the volume of natural gas delivered and the price for onsystem sales of natural gas by State to three consumer sectors—residential, commercial, and industrial. Monthly deliveries and prices of natural gas to the electric power sector are reported on the Form EIA-906, "Power Plant Report, and the Form FERC-423, "Monthly Report of Costs and Quality of Fuels for Electric Plants."

Sample Universe. The sample currently in use was selected from a universe of 1,556 companies. These companies were respondents to the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," for reporting year 2001 who reported sales or deliveries to consumers in the residential, commercial or industrial sectors. (See Appendix B for a description of the Form EIA-176.)

Sampling Plan. The goal was a sample that would provide estimates of monthly natural gas consumption by the three consuming sectors within each State and the District of Columbia. A stratified sample using a single stage and systematic selection with probability proportional to size was designed. The measure of size was the volume of natural gas physically delivered in the State to the three consuming sectors by the company in 2001. There were two strata—companies selected with certainty and companies selected under the systematic probability proportional to size design.

Initial calculations showed that a 25 percent sample of companies would yield reasonably accurate estimates. The sample was selected independently in each State, resulting in a national total of 405 respondent companies.

Certainty Stratum. Since estimates were needed for each of the 50 States and the District of Columbia, the strata were established independently within each State. In 16 States and the District of Columbia where sampling was not feasible due to small numbers of companies and/or small volumes of gas deliveries, all companies were selected. The 16 States were: Alaska, Connecticut, Delaware, Hawaii, Idaho, Maine, North Dakota, New Hampshire, New Jersey, Nevada, Oregon, Rhode Island, South Dakota, Utah, Vermont, and Washington.

For each of the remaining States, the total volumes of industrial sales and deliveries and of the combined residential/commercial sales and deliveries were determined. Companies with natural gas deliveries to the industrial sector or to the combined residential/commercial sector above a certain level were selected with certainty. Since a few large companies often account for most of the natural gas delivered within a State, this ensures those companies' inclusion in the sample. The formula for determining certainty was applied independently in the two consumer sectors—the industrial and the combined residential/commercial. These selected companies, together with the companies in the jurisdictions discussed where sampling was not feasible, formed the certainty stratum.

All companies with natural gas deliveries in sector j greater than the cut-off value ($C_{.j}$) were included in the certainty stratum. The formula for $C_{.j}$ was:

$$C_{.j} = \frac{X_{.j}}{2n} \quad (1)$$

where:

$C_{.j}$ = cutoff value for consumer sector j ,

n = target sample size to be selected for the State, 25 percent of the companies in the State,

X_{ij} = the annual volume of natural gas deliveries by company i to customers in consumer sector j ,

X_i = the sum within State of annual gas volumes for company i ,

X_j = the sum within State of annual gas volumes in consumer sector j ,

$X_{..}$ = the sum within State of annual gas volumes in all consumer sectors.

Noncertainty Stratum. All other companies formed the noncertainty stratum. They were systematically sampled with probability proportional to size. The measure of size for each company was the total volume of gas sales to all consumer sectors (X_i). The number of companies to be selected from the noncertainty stratum was calculated for each State, with a minimum of 2.

The formula for selecting the number of noncertainty stratum companies was:

$$m = n \frac{X_2}{X_{..}} \quad (2)$$

where:

m = the sample size for the noncertainty stratum within a State,

X_2 = the sum within State of the X_i for all companies in the noncertainty stratum.

Companies were listed in ascending order according to their measure of size and then a cumulative measure of size in the stratum was calculated for each company. The cumulative measure of size was the sum of the measures of size for that company and all preceding companies on the list. An interval of width I for selecting the companies systematically was calculated using.

A uniform random number R was selected between zero and $\left(I = \frac{X_2}{m}\right)I$. The first sampled company was the first company on the list to have a cumulative measure of size greater than R . The second company selected was the first company on the list to have a cumulative measure of size greater than $R + I$. $R + I$ was increased again by I to determine the third company to be selected. This procedure was repeated until the entire sample was drawn.

Subgroups. In four States, the noncertainty stratum was divided into subgroups to ensure that gas in each consumer sector could be estimated. The systematic sample with probability proportional to size design described above was applied independently in each subgroup. The

methods for determining the subgroup sample size and calculating the subgroup interval for sample selection were the same as the methods described above for the noncertainty stratum, except that X_2 was the sum within State of the X_i for only those companies in the subgroup.

These subgroups were defined only for the purpose of sample selection. They are:

Kansas, Louisiana, Texas: companies delivering gas only to industrial consumers and those delivering to any other sector.

South Carolina: companies delivering more than 3 Bcf to consumers and those below that level.

Estimation Procedures

Estimates of Volumes. A ratio estimator is applied to the volumes reported in each State by the sampled companies to estimate the total gas sales and deliveries for the State. Ratio estimators are calculated for each consumer sector — residential, commercial, and industrial — in each State where companies are sampled. The following annual data are taken from the most recent submissions of Form EIA-176:

The formula for calculating the ratio estimator (E_{vj}) for the volume of gas in consumer sector j is:

$$E_{vj} = \frac{\gamma_{.j}}{\gamma'_{.j}} \quad (3)$$

where:

$\gamma_{.j}$ = the sum within State of annual gas volumes in consumer sector j for all companies,

$\gamma'_{.j}$ = the sum within State of annual gas volumes in consumer sector j for those companies in the sample.

The ratio estimator is applied as follows:

$$V_{.j} = y_{.j} \times E_{vj} \quad (4)$$

where:

$V_{.j}$ = the State estimate of monthly gas volumes in consumer sector j ,

$y_{.j}$ = the sum within State of reported monthly gas volumes in consumer sector j .

Computation of Natural Gas Prices. The natural gas volumes that are included in the computation of

prices represent only those volumes associated with natural gas sales.

The price of natural gas for a State within a sector is calculated as follows:

$$P_j = \frac{R_j}{V_j}$$

where:

P_j = the average price for gas sales within the State in consumer sector j,

R_j = the reported revenue from natural gas sales within the State in consumer sector j,

V_j = the reported volume of natural gas sales within the State in consumer sector j.

The monthly average prices of natural gas are based on sales data only. Volumes of gas delivered for the account of others to these consumer sectors are not included in the State or national average prices.

Table 25 shows the percent of the total State volume that represents volumes from natural gas sales to the commercial and industrial sectors. This table may be helpful in evaluating commercial and industrial price data. Virtually all natural gas deliveries to the residential sector represent onsystem sales volumes only.

See the section on consumer price calculations in this Appendix for further price information.

Estimation for Nonrespondents. A volume for each consumer category is imputed for companies that fail to respond. The imputation is based on the previous month's value reported by the non-responding company and the change from the previous month to the current month in volumes reported by other companies in the State. The imputed volumes are included in the State totals. To estimate prices for non-respondents, the unit price (dollars per thousand cubic feet) reported by the company in the previous month is used.

The formula for imputing volumes of gas volumes for nonrespondents was:

Where:

$$F_t = F_{t-1} \times \frac{Y_{jt}}{Y_{jt-1}} \quad (5)$$

F_t = imputed gas volume for current month t,

F_{t-1} = gas volume for the company for the previous month,

y_{jt} = gas volume reported by companies in the State stratum for report month t,

y_{jt-1} = gas volume in the previous month for companies in the State stratum that reported in month t.

Final Revisions

Adjusting Monthly Data to Annual Data. After the annual data reported on the Form EIA-176 have been submitted, edited, and prepared for publication in *the Natural Gas Annual*, revisions are made to monthly data. The revisions are made to the volumes and prices of natural gas delivered to consumers that have appeared in the *Natural Gas Monthly (NGM)* to match them to the annual values appearing in *the Natural Gas Annual*. The revised monthly estimates allocate the difference between the sum of monthly estimates and the annual reports according to the distribution of the estimated values across the months.

Before the final revisions are made, changes or additions to submitted data received after publication of the monthly estimate and not sufficiently large to require a revision to be published in the *NGM*, are used to derive an updated estimate of monthly consumption and revenues for each State's residential, commercial, or industrial natural gas consumption.

For each State, two numbers are revised, the estimated consumption and the estimated price per thousand cubic feet.

The formula for revising the estimated consumption is:

$$V_{jm}^* = V_{jm} + \left[(V_{ja} - V_{jm}) \left(\frac{V_{jm}}{V_{jm}'} \right) \right] \quad (6)$$

where:

V_{jm}^* = the final volume estimate for month m in consumer sector j,

V_{jm} = the estimated volume for month m in consumer sector j,

V_{ja} = the volume for the year reported on Form EIA-176,

V_{jm}' = The annual sum of estimated monthly volumes

The price is calculated as described above in the Estimation Procedures section, using the final revised consumption estimate and a revised revenue estimate.

The formula for revising the estimated revenue is:

$$R_{jm}^* = R_{jm} + \left[(R_{ja} - R'_{jm}) \left(\frac{R_{jm}}{R'_{jm}} \right) \right] \quad (7)$$

where:

R_{jm}^* = the final revenue estimate for month m in consumer sector j,

R_{jm} = the estimated revenue for month m in consumer sector j,

R_{ja} = the revenue for the year reported on Form EIA-176,

R'_{jm} = The annual sum of estimated monthly revenues.

Revision of Volumes and Prices for Deliveries to Electric Power Sector. Revisions to monthly deliveries to the electric power sector are published throughout the year as they become available.

Reliability of Monthly Data

The monthly data published in this report are subject to two sources of error - nonsampling error and sampling error. Nonsampling errors occur in the collection and processing of the data. See the discussion of the Form EIA-857 in Appendix B for a description of nonsampling errors for monthly data.

Sampling error may be defined as the difference between the results obtained from a sample and the results that a complete enumeration would provide. The standard error statistic is a measurement of sampling error.

Standard Errors. A standard error of an estimate is a statistical measure that indicates how the estimate from the sample compares to the result from a complete enumeration. Standard errors are calculated based on statistical theory that refers to all possible samples of the same size and design.

The standard errors for monthly natural gas volume estimates by State are given in Table C1. Ninety-five percent of the time, the volume that would have been obtained from a complete enumeration will lie in the range between the estimated volume minus two standard errors and the estimated volume plus two standard errors.

The standard error of the natural gas volume estimate is the square root of the variance of the estimate. The formula for calculating the variance of the volume estimate is:

$$V(\hat{y}) = \sum_{h=1}^H \left[N_h^2 \frac{(1 - \frac{n_h}{N_h})}{n_h(n_h - 1)} \left(\sum_{i=1}^{n_h} (y_i - Tx_i)^2 \right) \right] \quad (8)$$

where:

H = the total number of strata

N_h = the total number of companies in stratum h

n_h = the sample size in stratum h

y_i = the reported monthly volume for company i

x_i = the reported annual volume for company i

T = the ratio of the sum of the reported monthly volumes for sample companies to the sum of the reported annual volumes for the sample companies.

Table C-1. Standard Error for Natural Gas Deliveries and Price to Consumers by State, January 2003

State	Volume Million Cubic Feet				Price Dollars per Thousand Cubic Feet		
	Residential	Commercial	Industrial	Total	Residential	Commercial	Industrial
Alabama	5,825	1,791	1,308	6,233	NA	0.77	NA
Alaska	0	0	0	0	—	—	—
Arizona	185	62	0	196	0.22	0.10	—
Arkansas	NA	NA	8	NA	NA	NA	0.01
California	NA	NA	NA	NA	NA	NA	NA
Colorado	0	0	NA	NA	—	—	—
Connecticut	0	0	0	0	—	—	—
Delaware	0	NA	NA	NA	—	—	—
District of Columbia	0	0	0	0	—	NA	—
Florida	178	99	NA	NA	0.77	1.15	NA
Georgia	1,185	741	3,423	3,697	0.47	NA	NA
Hawaii	0	0	0	0	—	—	—
Idaho	0	0	0	0	—	—	—
Illinois	7,699	3,571	774	8,522	0.16	0.18	0.25
Indiana	1,592	1,868	3,276	4,093	0.41	0.21	0.60
Iowa	196	284	21	346	0.07	0.11	0.22
Kansas	1,929	710	955	2,266	0.86	0.31	NA
Kentucky	324	1,174	641	1,376	0.48	0.37	NA
Louisiana	191	236	NA	NA	0.23	0.22	NA
Maine	0	0	0	0	—	—	—
Maryland	35	20	83	92	0.02	0.06	0.69
Massachusetts	NA	NA	NA	NA	NA	NA	NA
Michigan	0	0	0	0	—	—	—
Minnesota	445	572	121	735	0.09	0.07	0.13
Mississippi	0	0	0	0	—	—	—
Missouri	131	245	1,635	1,658	0.16	0.16	0.41
Montana	2	6	0	6	0.02	0.04	—
Nebraska	0	0	0	0	—	—	—
Nevada	0	0	0	0	—	—	—
New Hampshire	NA	NA	NA	NA	NA	NA	NA
New Jersey	0	0	0	0	—	—	—
New Mexico	NA	NA	NA	NA	NA	NA	NA
New York	1,662	2,635	915	3,247	NA	0.12	NA
North Carolina	NA	NA	211	NA	0.53	0.12	0.10
North Dakota	0	0	0	0	—	—	—
Ohio	6,360	3,321	3,310	7,902	0.33	0.98	NA
Oklahoma	12,048	3,456	283	12,537	NA	5.07	NA
Oregon	0	0	0	0	—	—	—
Pennsylvania	786	NA	827	NA	0.07	0.07	NA
South Carolina	218	NA	310	NA	0.13	0.14	0.13
South Dakota	0	0	NA	NA	—	—	—
Tennessee	801	474	1,038	1,394	0.10	0.19	0.93
Texas	20,342	29,275	23,032	42,442	0.64	0.71	0.74
Utah	0	0	0	0	—	—	—
Vermont	0	0	0	0	—	—	—
Virginia	380	562	333	755	0.04	0.16	0.09
Washington	0	0	0	0	—	—	—
West Virginia	NA	NA	NA	NA	NA	NA	NA
Wisconsin	978	881	515	1,414	0.51	0.47	0.22
Wyoming	100	245	NA	NA	0.75	0.36	NA
Total	26,628	30,209	24,299	47,033	0.20	0.36	0.79

NA Not Available.
— Not Applicable.

Source: Energy Information Administration, Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

Appendix D

Technical Contacts

Section	Tables		Principal Data Sources	Technical Contact
Summary Statistics: Natural Gas Production	1,2,3	Monthly: Annual:	EIA-895, "Monthly Quantity and Value of Natural Gas Report"	Sharon Belcher (202)586-6119
Extraction Loss	1	Monthly: Annual:	EIA computations Form EIA-816, "Monthly Natural Gas Liquids Report," and Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"	Javed Zaidi (202)586-8695
Supplemental Gaseous Fuels	2	Monthly: Annual:	EIA computations Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"	Javed Zaidi (202)586-8695
Imports and Exports	2	Monthly: Annual:	EIA computations Office of Fossil Energy, U.S. Department of Energy, "Natural Gas Import and Exports"	Donna Guerrina (202)586-6135
Price: City Gate, Residential, Commercial, and Industrial	4	Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" Form EIA-910, "Monthly Natural Gas Marketer Survey"	Roy Kass (202)586-4790
Wellhead	4	Monthly: Annual:	EIA computations Form EIA-895, "Monthly Quantity and Value of Natural Gas Report"	William Trapmann (202)586-6408
Electric Utility	4	Monthly:	Form FERC-423, "Cost and Quality of Fuels for Electric Power Plants"	Roy Kass (202)586-4790
Summary of Natural Gas Imports and Exports	5,6	Monthly:	Office of Fossil Energy, U.S. Department of Energy, "Natural Gas Imports and Exports"	Donna Guerrina (202)586-6135
Producer Related Activities: Natural Gas Production	7,8	Monthly:	EIA-895, "Monthly Quantity and Value of Natural Gas Report"	Sharon Belcher (202)586-6119
Underground Storage:	9,10,11, 12,13, 14	Monthly:	Form EIA-191, "Monthly Underground Gas Storage Report"	Carol Jones (202) 586-6168
Distribution and Consumption: Deliveries to: Residential, Commercial, Industrial, Electric Power, All Consumers	15 16 17 18 19	Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" Form EIA-906, "Power Plant Report"	Roy Kass (202)586-4790
Average Price to: City Gate, Residential, Commercial, Industrial, Electric Utility Onsystem Sales	20 21 22 23 24 25	Monthly: Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" Form FERC-423, "Cost and Quality of Fuels for Electric Power Plants" Form EIA-910, "Monthly Natural Gas Marketer Survey" Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"	Roy Kass (202)586-4790 Roy Kass (202)586-4790
Heating Degree Days	26	Seasonal:	National Oceanic and Atmospheric Administration	Patricia Wells (202)586-4885
Highlights				Sheila Darnell (202)586-6165

Glossary

Aquifer Storage Field: A sub-surface facility for storing natural gas, consisting of water-bearing sands topped by an impermeable cap rock.

Balancing Item: Represents the difference between the sum of the components of natural gas supply and the sum of the components of natural gas disposition. These differences may be due to data reporting or survey coverage problems. Reporting problems include differences due to the net result of conversions of flow data metered at varying temperature and pressure bases and converted to a standard temperature and pressure base; the effect of variations in company accounting and billing practices; differences between billing cycle and calendar period time frames; and imbalances resulting from the merger of data reporting systems which vary in scope, format, definitions, and type of respondents. Survey problems include incomplete survey frames, problems in sampling design, or response problems.

Base (Cushion) Gas: The volume of gas needed as a permanent inventory to maintain adequate underground storage reservoir pressures and deliverability rates throughout the withdrawal season. All native gas is included in the base gas volume.

British Thermal Unit (Btu): The heat required to raise the temperature of one pound of water by one degree Fahrenheit at or near 39.2 degrees Fahrenheit.

City-gate: A point or measuring station at which a gas distribution company receives gas from a pipeline company or transmission system.

Commercial Consumption: Gas used by nonmanufacturing establishments or agencies primarily engaged in the sale of goods or services such as hotels, restaurants, wholesale and retail stores and other service enterprises; and gas used by local, State and Federal agencies engaged in nonmanufacturing activities.

Depleted Storage Field: A sub-surface natural geological reservoir, usually a depleted oil or gas field, used for storing natural gas.

Dry Natural Gas Production: Marketed production less extraction loss.

Electric Power Sector: An energy-consuming sector that consists of electricity-only and combined heat and power (CHP) plants whose primary business is to sell electricity, or electricity and heat, to the public – i.e., North American Industry Classification System 22 plants. Combined heat and power plants that identify themselves as primarily in the commercial or industrial sectors are reported in those sectors.

Electric Power Consumption: Gas used as fuel in the electric power sector.

Electric Utility: A corporation, person, agency, authority, or other legal entity or instrumentality aligned with distribution facilities for delivery of electric energy for use primarily by the public. Included are investor-owned electric utilities, municipal and State utilities, Federal electric utilities, and rural electric cooperatives. A few entities that are tariff based and corporately aligned with companies that own distribution facilities are also included. Note: Due to the issuance of FERC Order 888 that required traditional electric utilities to functionally unbundle their generation, transmission, and distribution operations, “electric utility” currently has inconsistent interpretations from State to State.

Exports: Natural gas deliveries out of the continental United States and Alaska to foreign countries.

Extraction Loss: The reduction in volume of natural gas resulting from the removal of natural gas liquid constituents at natural gas processing plants.

Flared: The volume of gas burned in flares on the base site or at gas processing plants.

Gas Condensate Well: A gas well that produces from a gas reservoir containing considerable quantities of liquid hydrocarbons in the pentane and heavier range generally described as “condensate.”

Gas Well: A well completed for the production of natural gas from one or more gas zones or reservoirs

Gross Withdrawals: Full well stream volume, including all natural gas plant liquid and nonhydrocarbon gases, but excluding lease condensate. Also includes amounts delivered as royalty payments or consumed in field operations.

Heating Value: The average number of British thermal units per cubic foot of natural gas as determined from tests of fuel samples.

Imports: Natural gas received in the Continental United States (including Alaska) from a foreign country.

Industrial Consumption: Natural gas used for heat, power, or chemical feedstock by manufacturing establishments or those engaged in mining or other mineral extraction as well as consumers in agriculture, forestry, fisheries and construction.

Intransit Deliveries: Redeliveries to a foreign country of foreign gas received for transportation across U.S. territory and deliveries of U.S. gas to a foreign country for transportation across its territory and redelivery to the United States.

Intransit Receipts: Receipts of foreign gas for transportation across U.S. territory and redelivery to a foreign country and redeliveries to the United States of U.S. gas transported across foreign territory.

Lease and Plant Fuel: Natural gas used in well, field, lease operations and as fuel in natural gas processing plants.

Liquefied Natural Gas (LNG): Natural gas that has been liquefied by reducing its temperature to minus 260 degrees Fahrenheit at atmospheric pressure.

Marketed Production: Gross withdrawals less gas used for repressuring, quantities vented and flared, and nonhydrocarbon gases removed in treating or processing operations. Includes all quantities of gas used in field and processing operations. See Explanatory Note 1 for discussion of coverage of data concerning nonhydrocarbon gases removed.

Native Gas: Gas in place at the time that a reservoir was converted to use as an underground storage reservoir as in contrast to injected gas volumes.

Natural Gas: A mixture of hydrocarbon compounds and small quantities of various nonhydrocarbons existing in the gaseous phase or solution with oil in natural underground reservoirs at reservoir conditions.

Nonhydrocarbon Gases: Typical nonhydrocarbon gases that may be present in reservoir natural gas are carbon dioxide, helium, hydrogen sulfide, and nitrogen.

Oil Well (Casinghead) Gas: Associated and dissolved gas produced along with crude oil from oil completions.

Onsystem Sales: Sales to customers where the delivery point is a point on, or directly interconnected with, a transportation, storage, and/or distribution system operated by the reporting company.

Pipeline Fuel: Gas consumed in the operation of pipelines, primarily in compressors.

Repressuring: The injection of gas into oil or gas formations to effect greater ultimate recovery.

Residential Consumption: Gas used in private dwellings, including apartments, for heating, cooking, water heating, and other household uses.

Salt Cavern Storage Field: A storage facility that is a cavern hollowed out in either a salt "bed" or "dome" formation.

Storage Additions: The volume of gas injected or otherwise added to underground natural gas or liquefied natural gas storage during the applicable reporting period.

Storage Withdrawals: Total volume of gas withdrawn from underground storage or liquefied natural gas storage during the applicable reporting period.

Supplemental Gaseous Fuels Supplies: Synthetic natural gas, propane-air, refinery gas, biomass gas, air injected for stabilization of heating content, and manufactured gas commingled and distributed with natural gas.

Synthetic Natural Gas (SNG): A manufactured product chemically similar in most respects to natural gas, that results from the conversion or reforming of petroleum hydrocarbons and may easily be substituted for or interchanged with pipeline quality natural gas.

Underground Gas Storage Reservoir Capacity: Interstate company reservoir capacities are those certified by FERC. Independent producer and

intrastate company reservoir capacities are reported as developed capacity.

Vehicle Fuel Consumption: Natural gas (compressed or liquefied) used as vehicle fuel.

Vented Gas: Gas released into the air on the base site or at processing plants.

Wellhead Price: Represents the wellhead sales price, including charges for natural gas plant liquids subsequently removed from the gas, gathering and compression charges, and State production, severance, and/or similar charges.

Working (Top Storage) Gas: The volume of gas in an underground storage reservoir above the designed level of the base. It may or may not be completely withdrawn during any particular withdrawal season. Conditions permitting, the total working capacity could be used more than once during any season.